

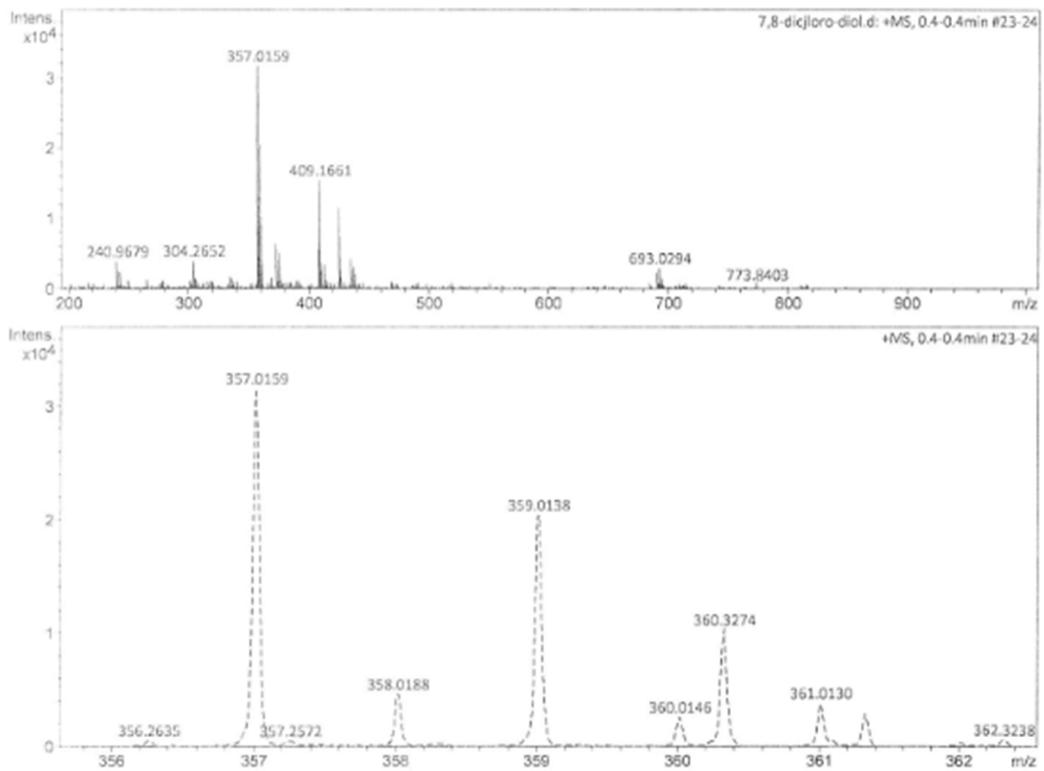
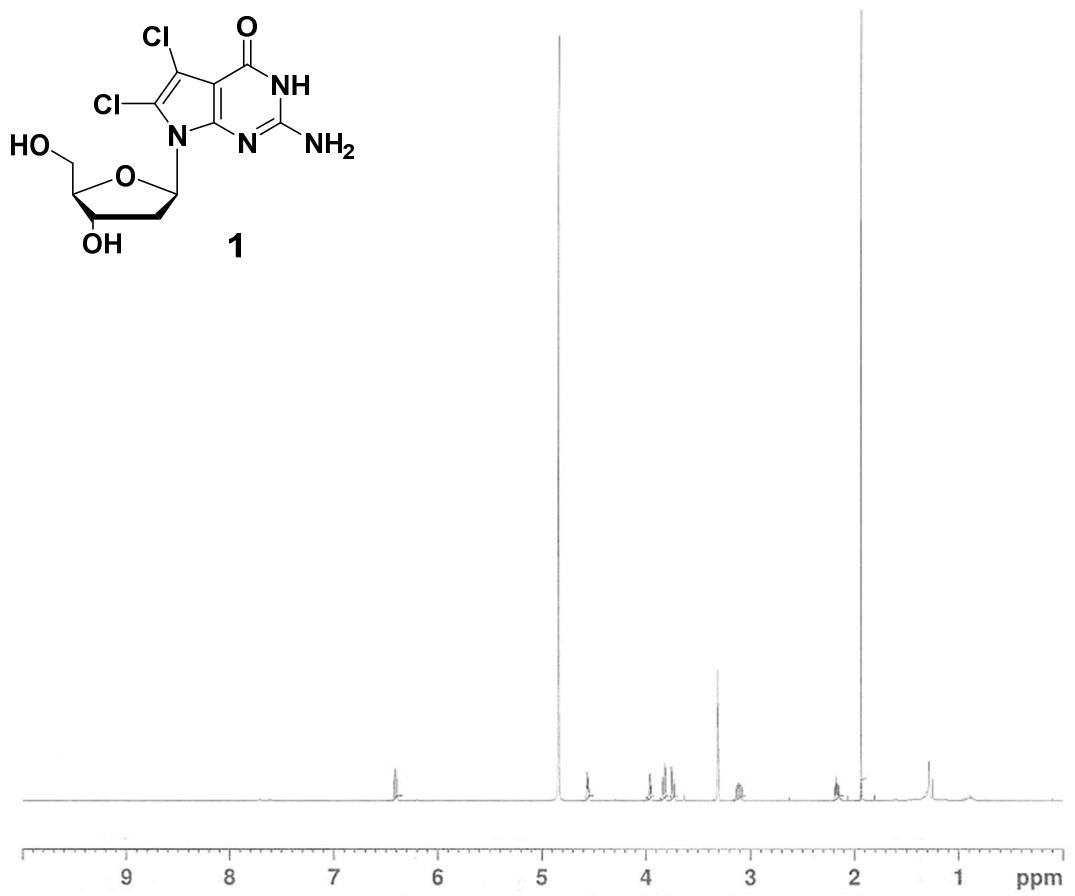
## Supplementary Materials

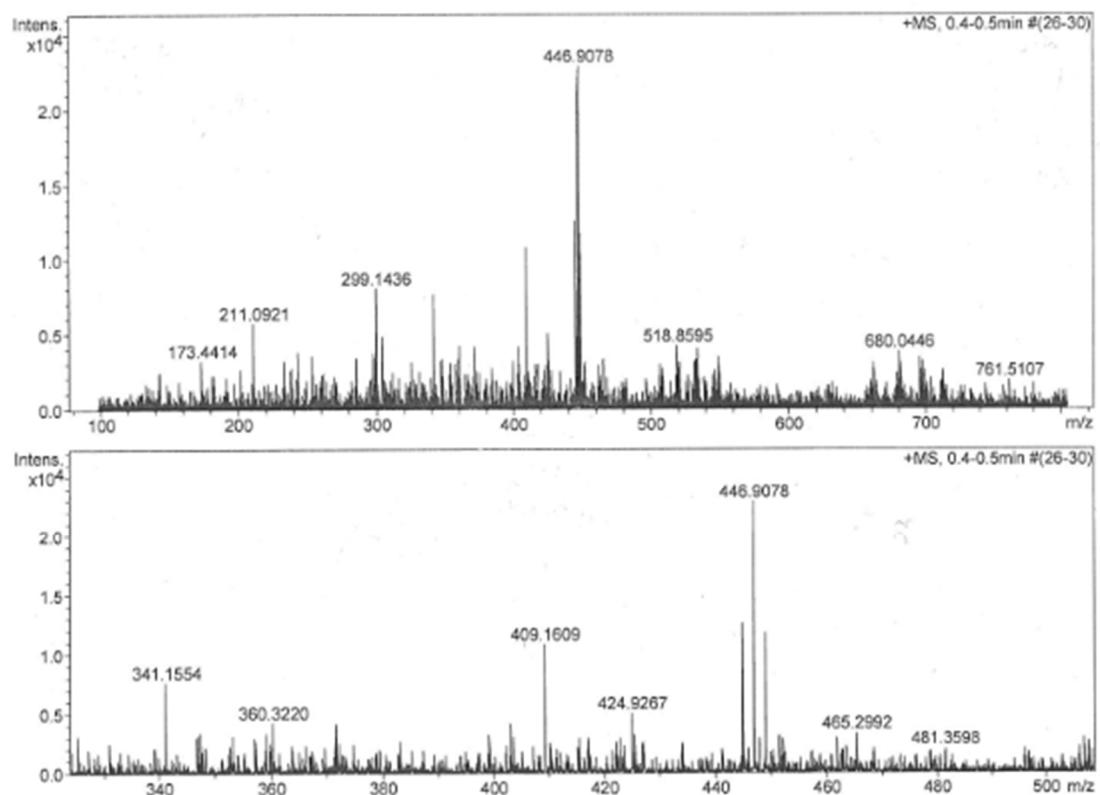
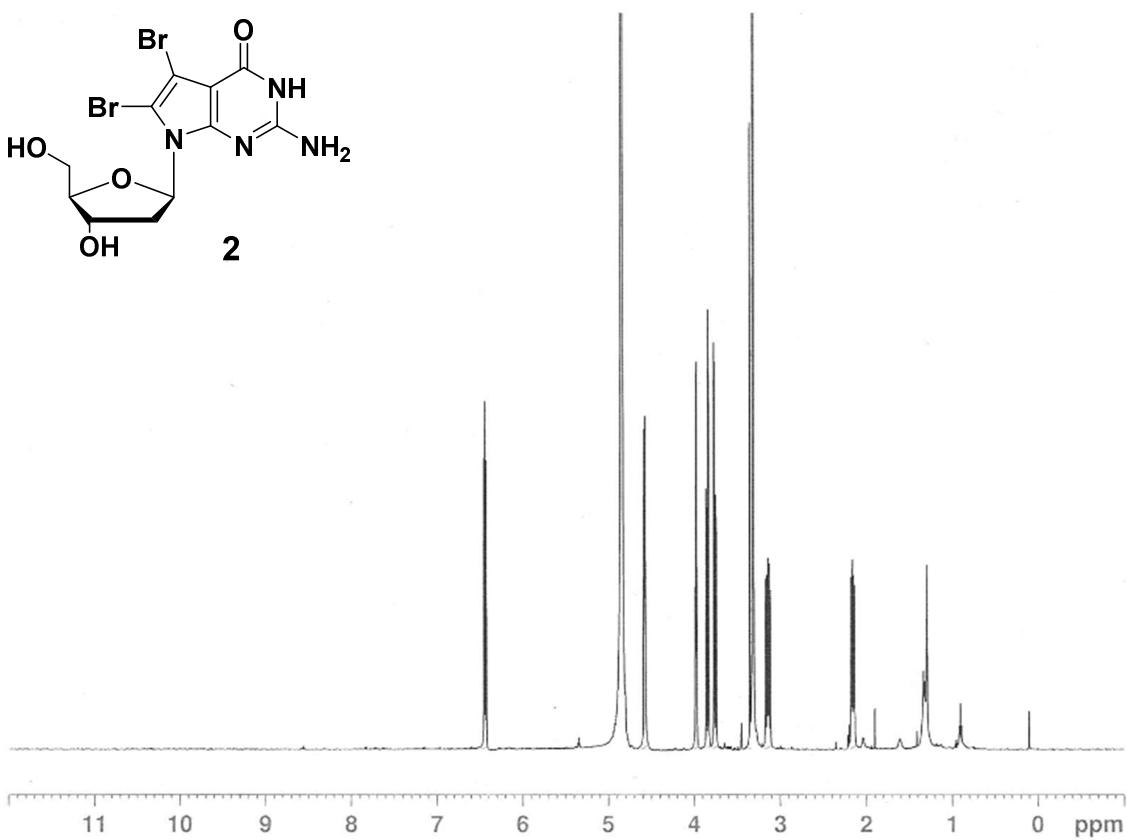
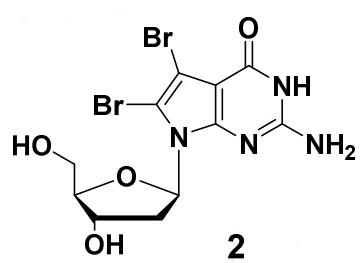
Development of MTH1-binding nucleotide analogs based on 7,8-dihalogenated 7-deaza-dG derivatives

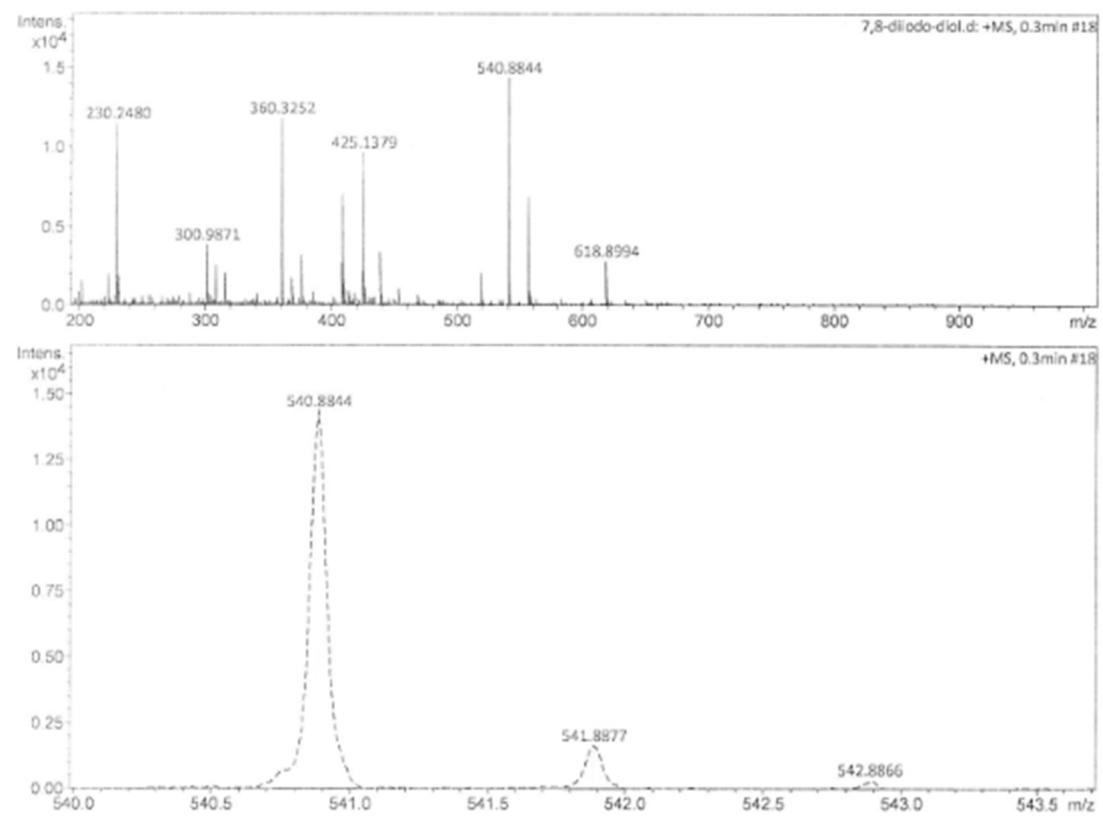
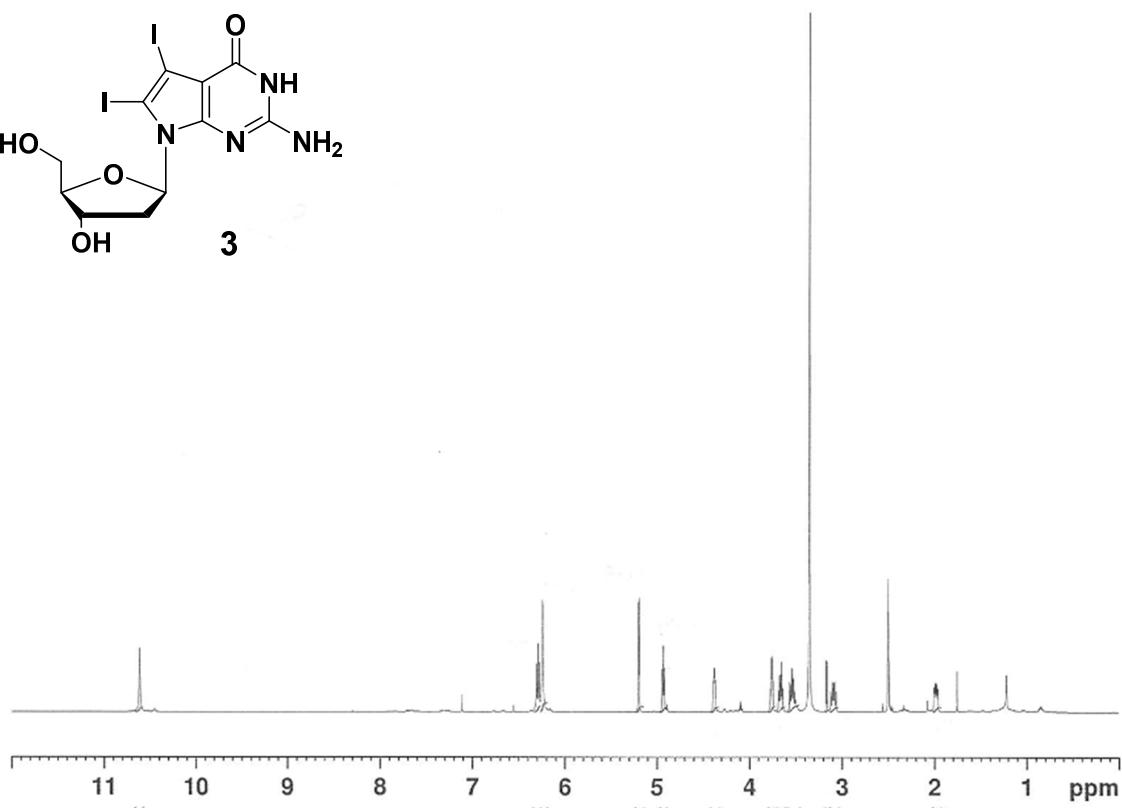
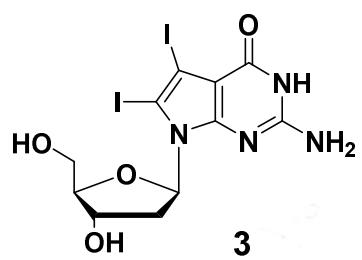
Hui Shi, Ren Ishikawa, Choon Han Heh, Shigeki Sasaki, and Yosuke Taniguchi

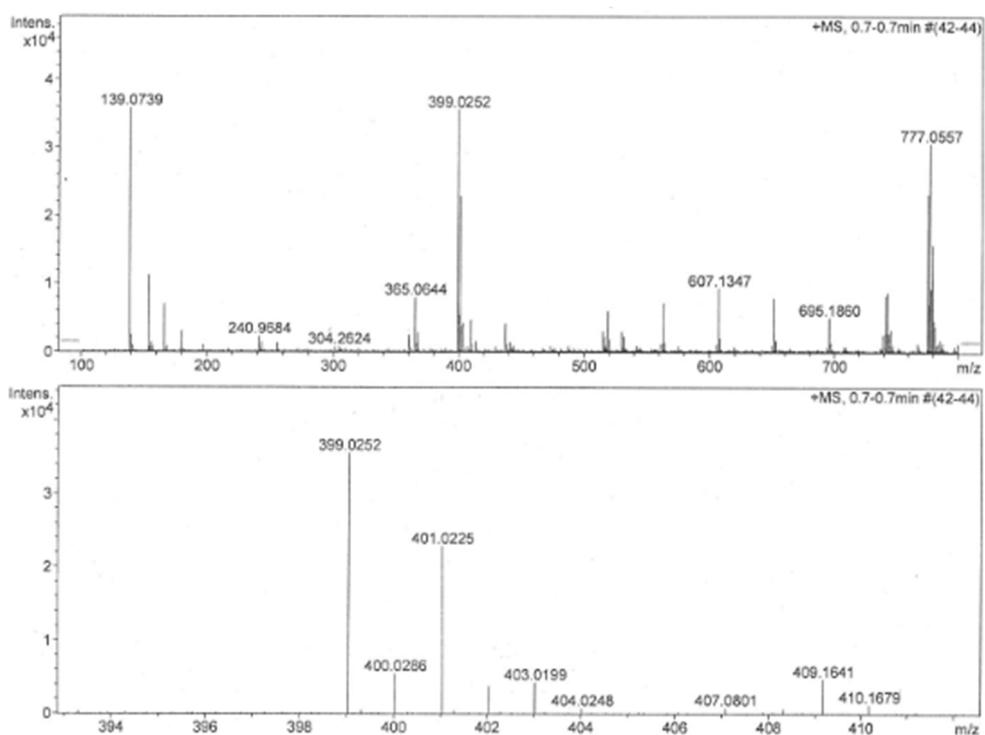
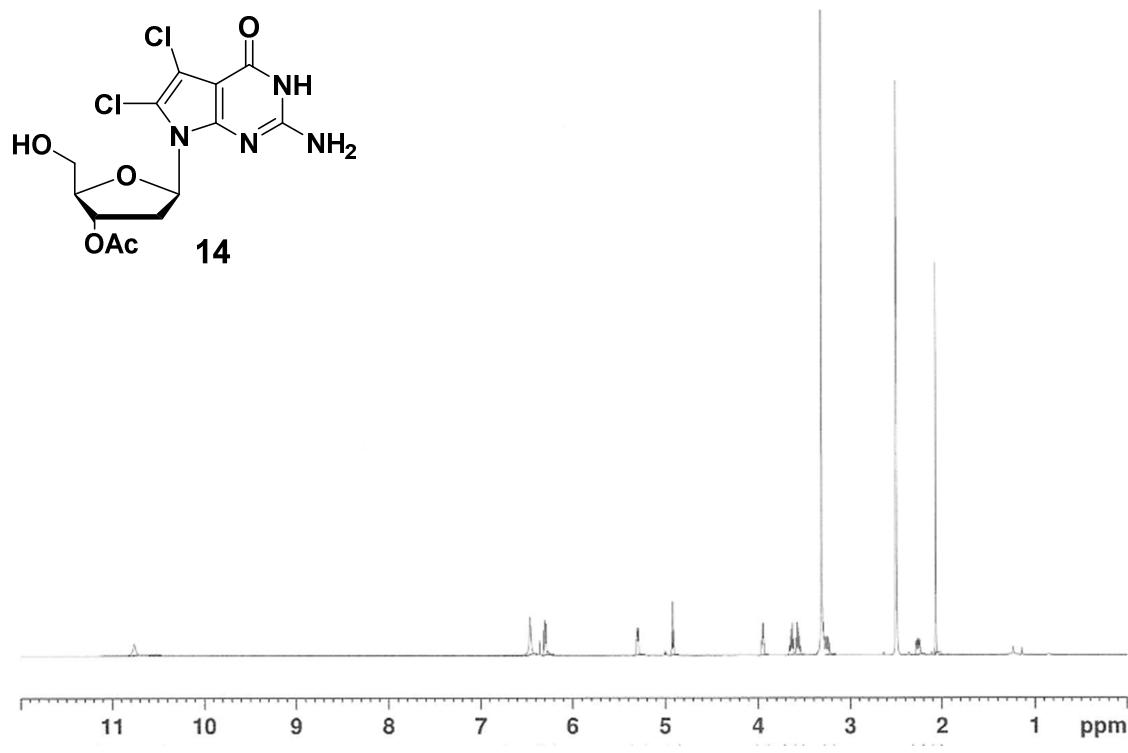
### Contents:

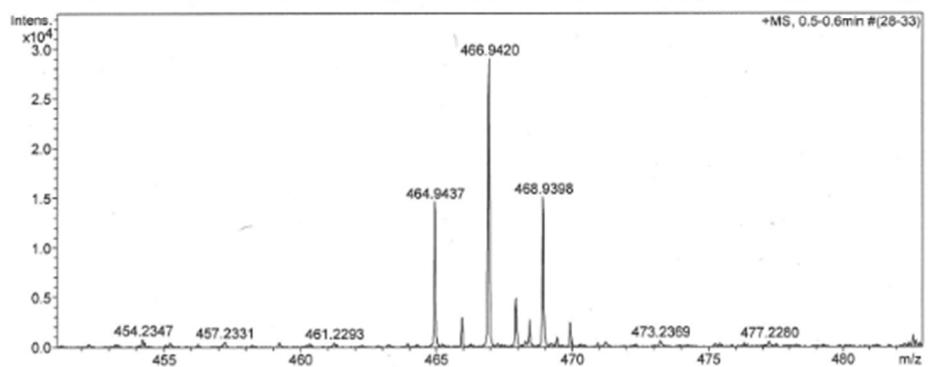
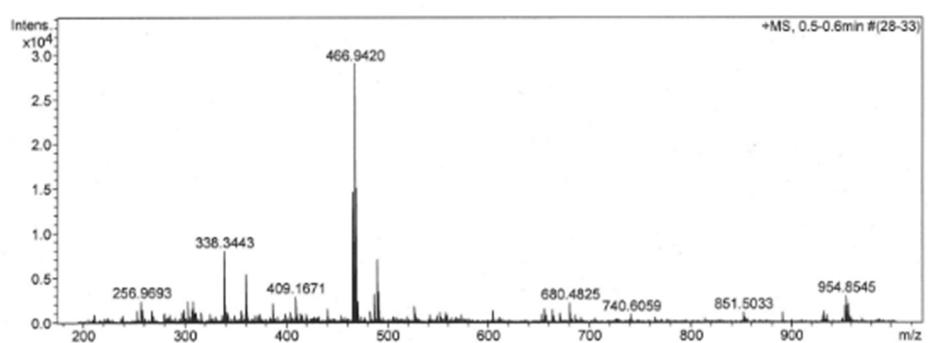
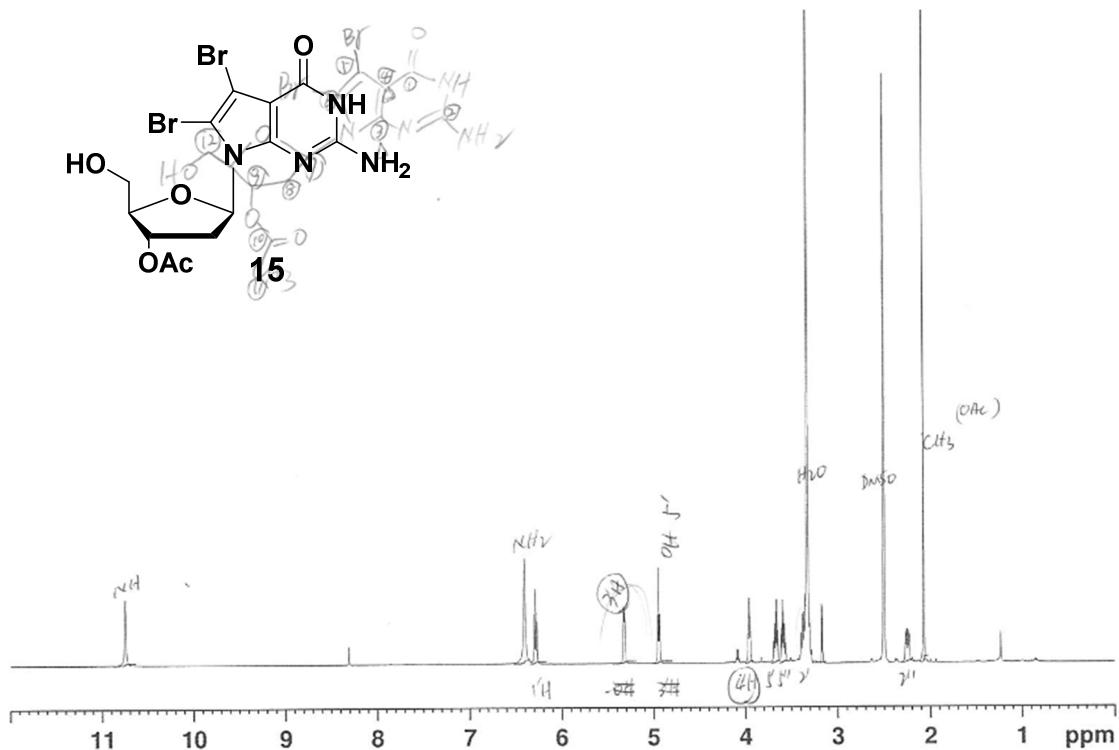
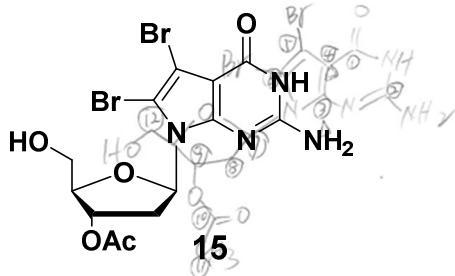
1. <sup>1</sup> H-NMR and High-Resolution (HR) mass spectrum of diol compounds <b>1~3</b> .	p2
2. <sup>1</sup> H-NMR and HR mass spectrum of 3'-OAc compounds <b>14~17</b> .	p5
3. <sup>1</sup> H-, <sup>32</sup> P-NMR and HR mass spectrum of monophosphate compounds <b>5~8</b> .	p8
4. <sup>1</sup> H-, <sup>32</sup> P-NMR and HR mass spectrum of triphosphate compounds <b>9~11</b> .	p12
5. Predicted ADME parameter of compounds <b>9~12</b> in Figure S1~S4 using SwissADME ( <a href="http://www.swissadme.ch/index.php">http://www.swissadme.ch/index.php</a> ).	
Figure S1. Predicted ADME parameter of compound <b>9</b> .	p16
Figure S2. Predicted ADME parameter of compound <b>10</b> .	p16
Figure S3. Predicted ADME parameter of compound <b>11</b> .	p17
Figure S4. Predicted ADME parameter of compound <b>12</b> .	p17

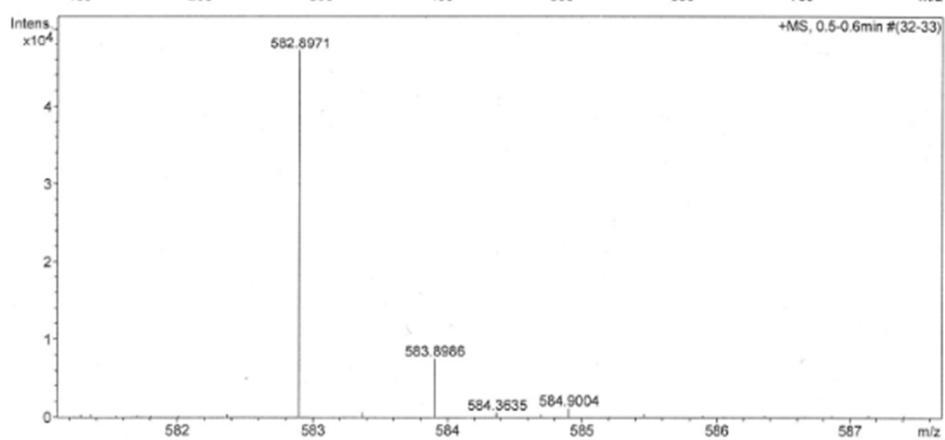
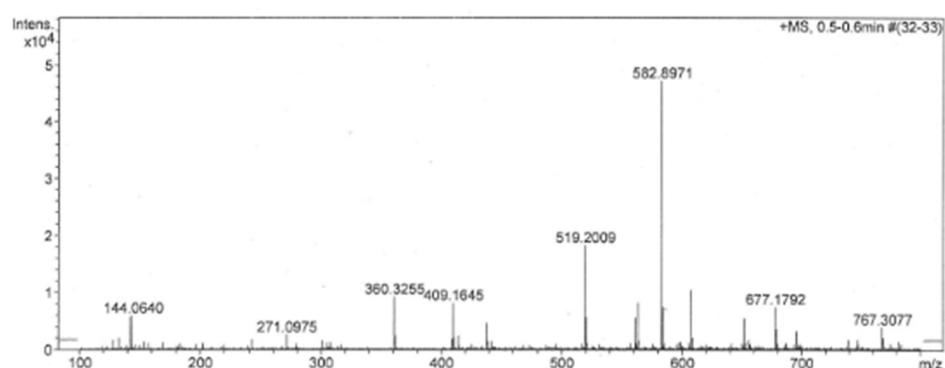
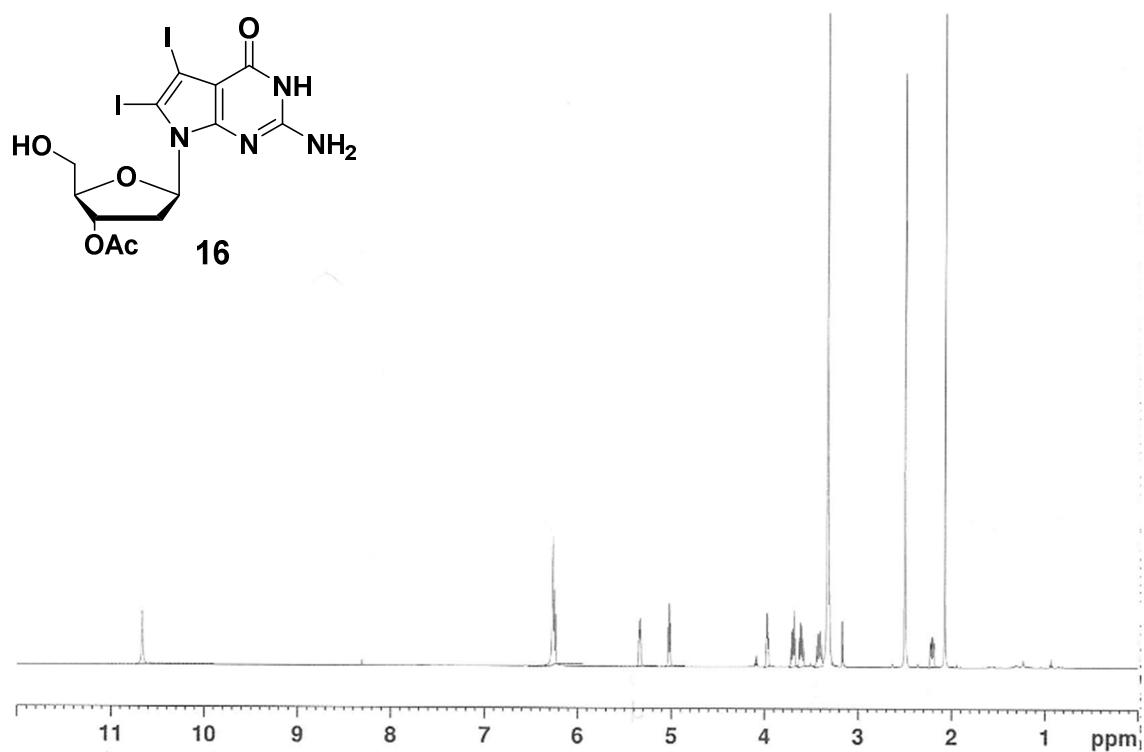


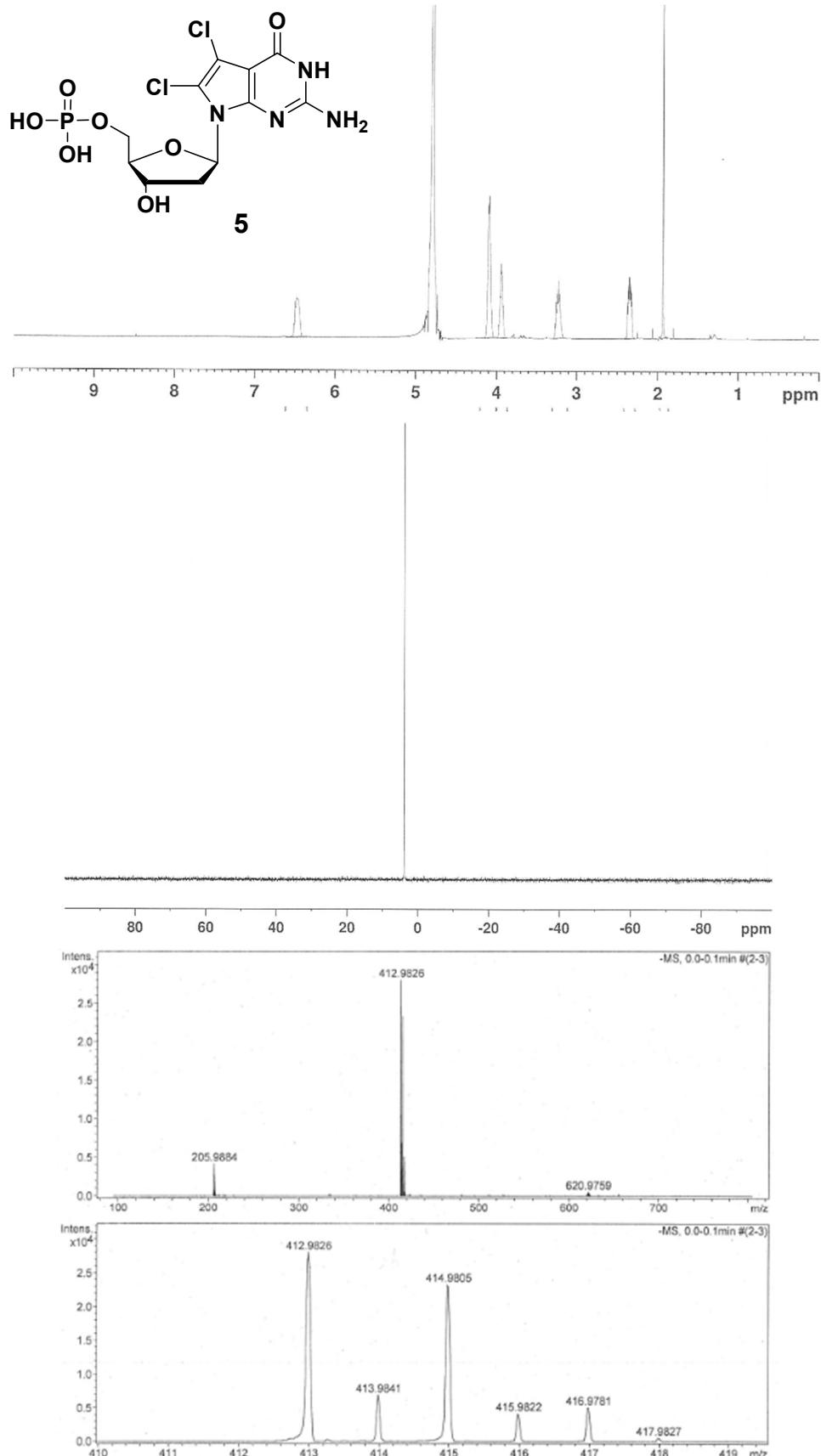


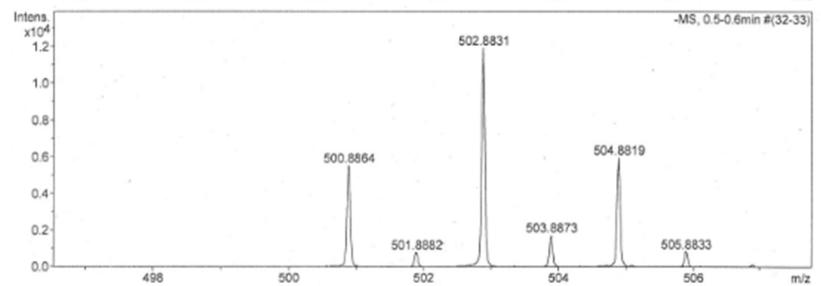
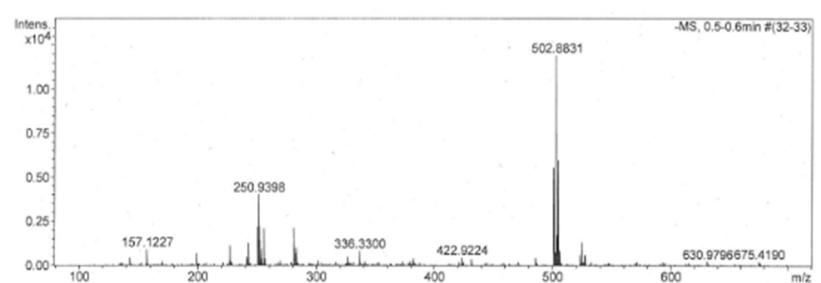
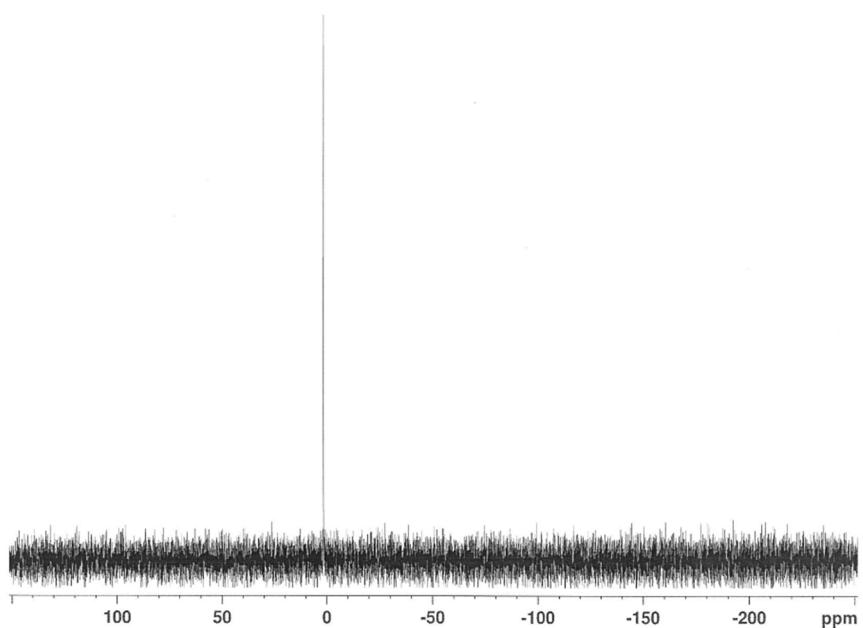
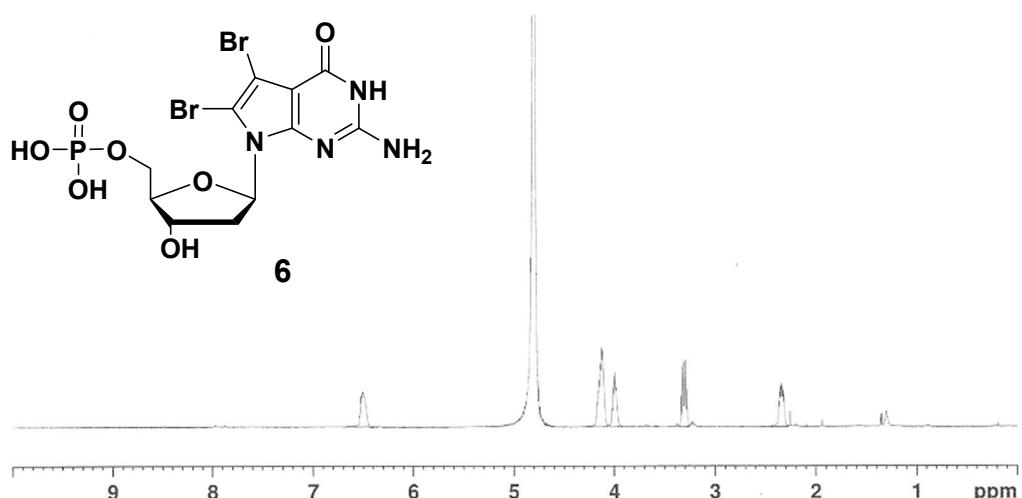


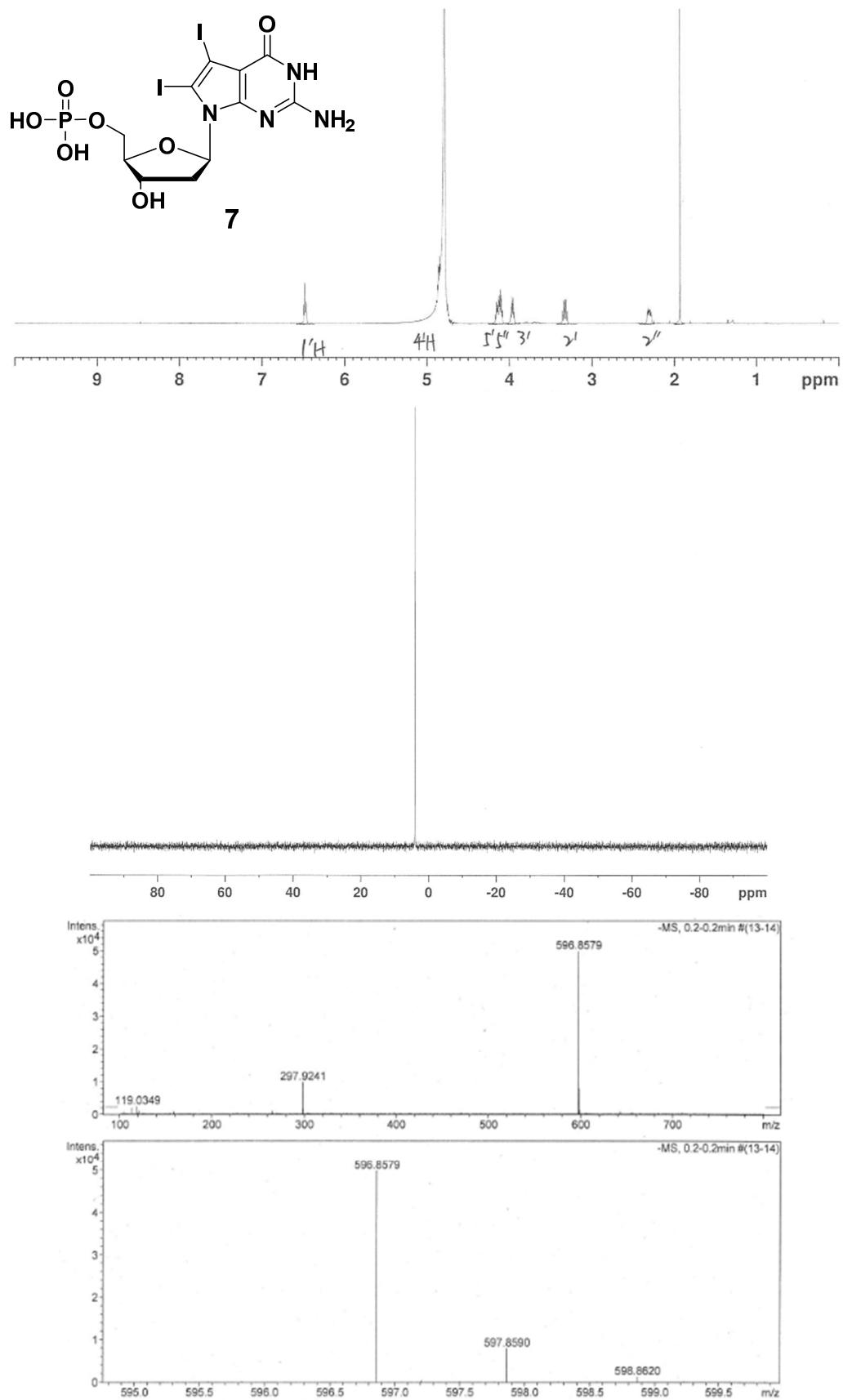


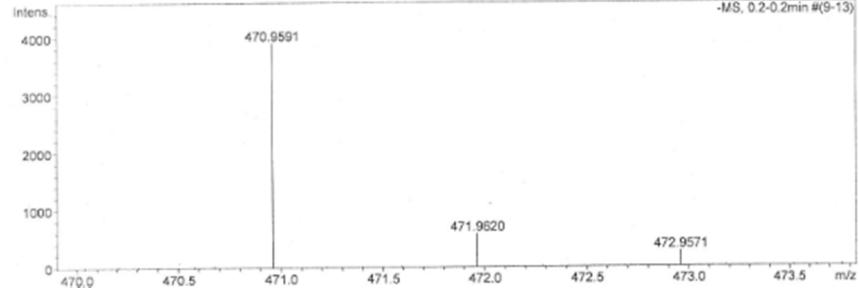
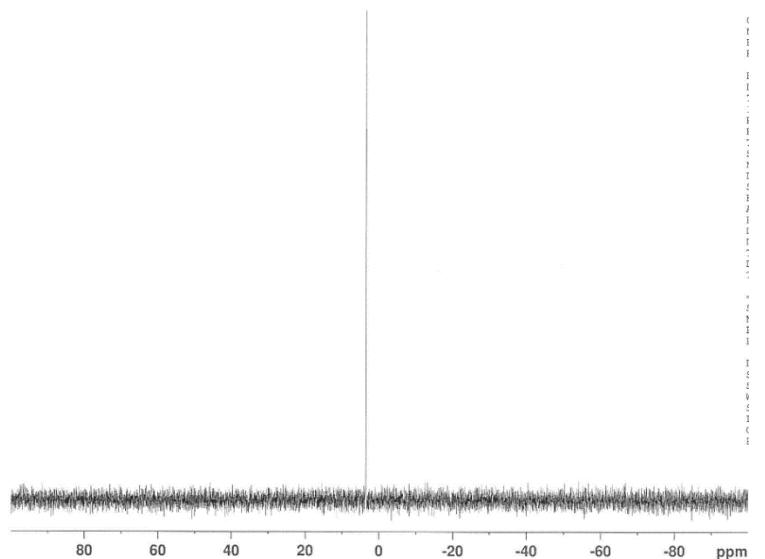
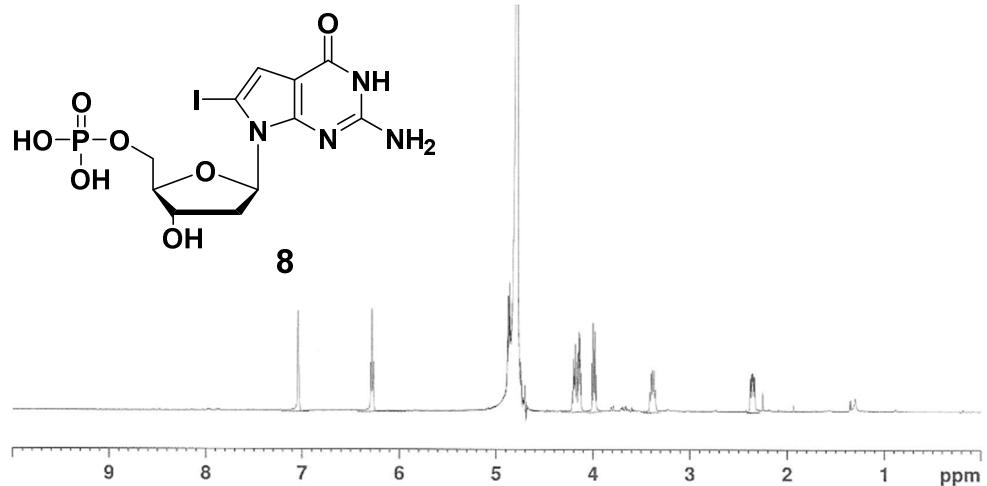


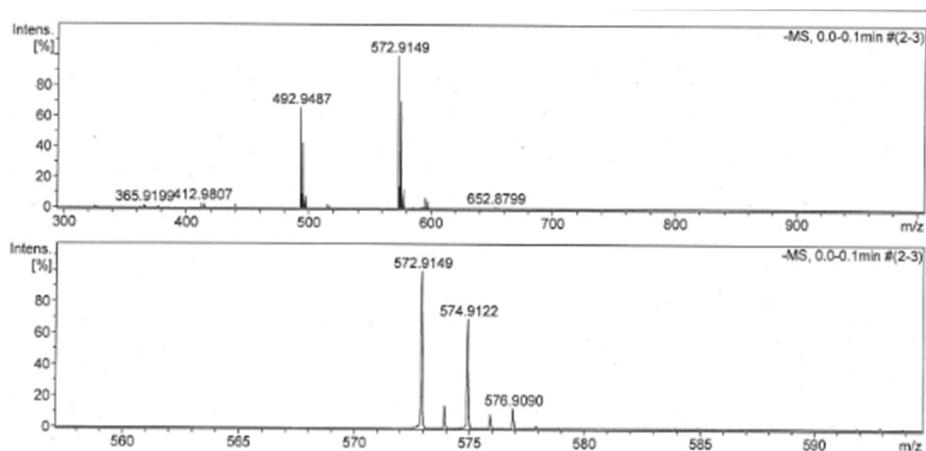
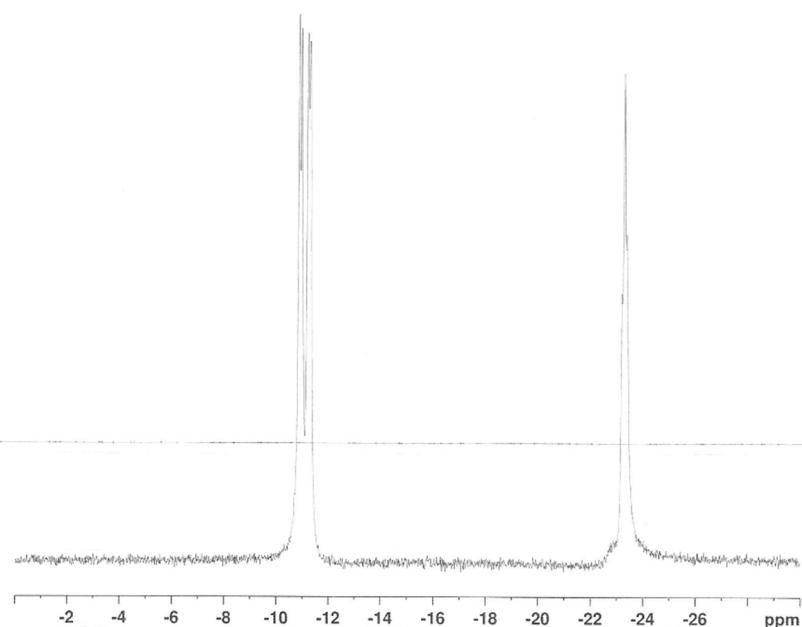
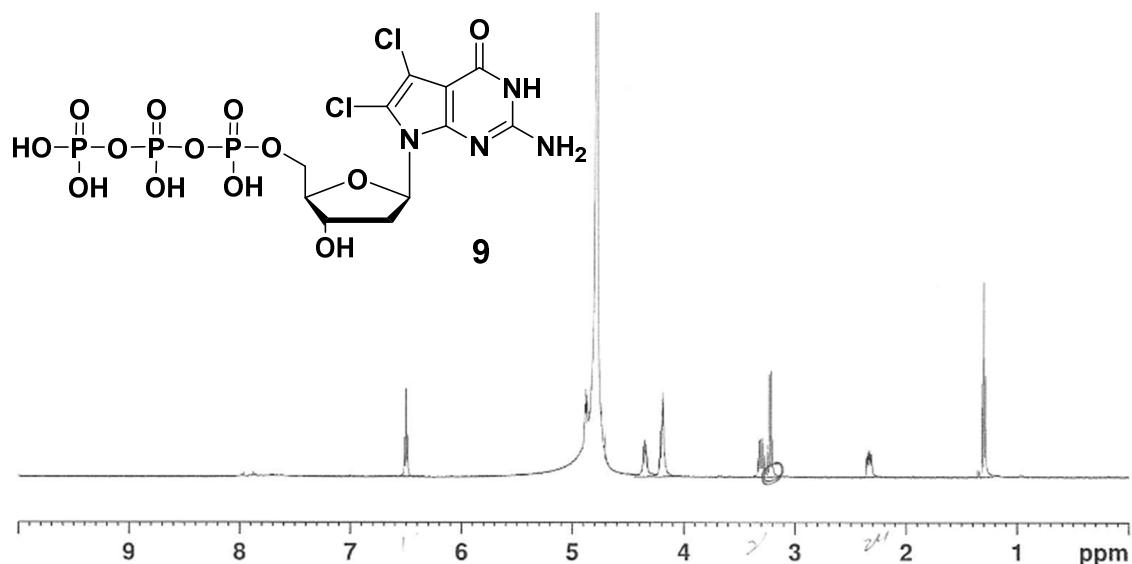


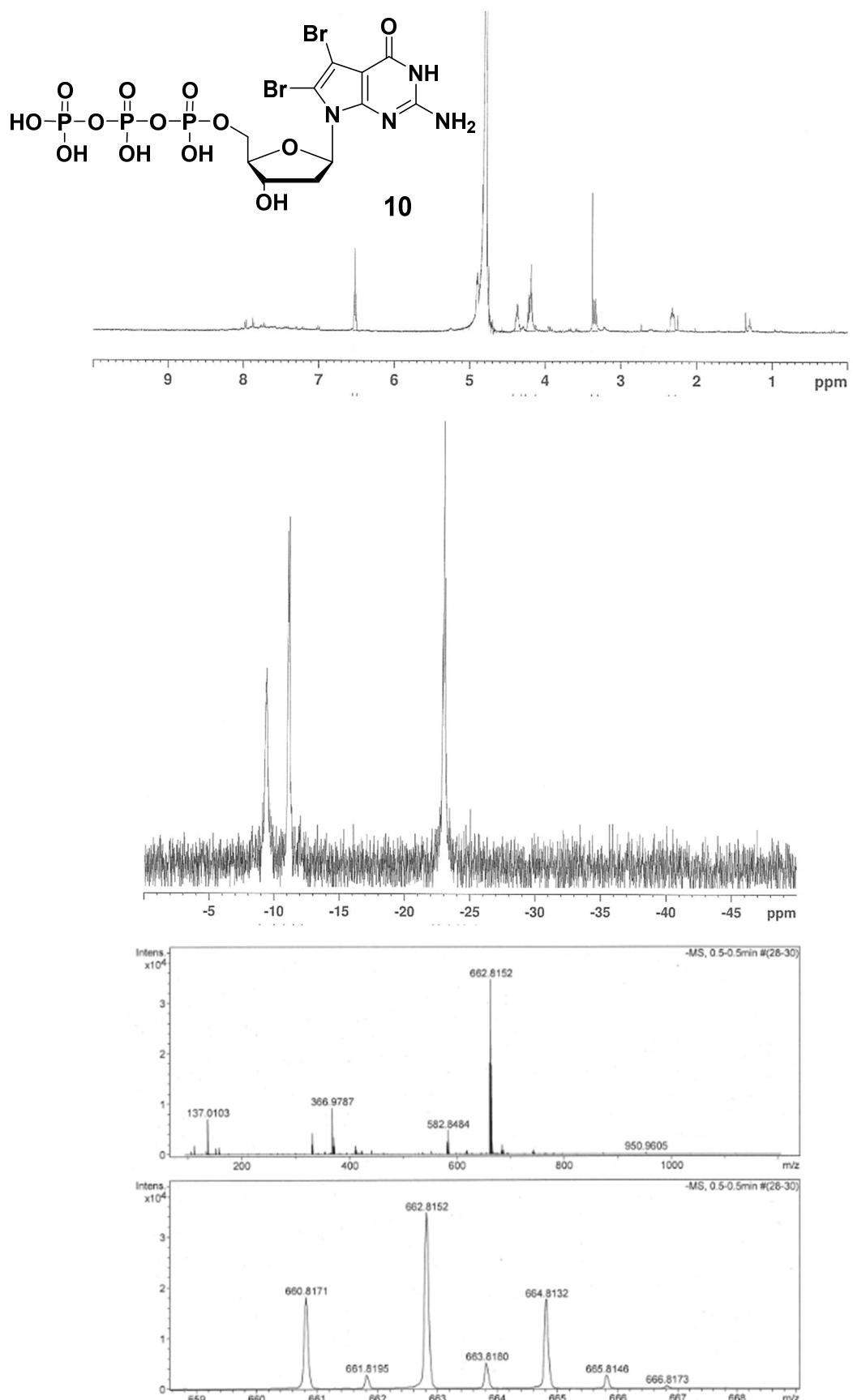


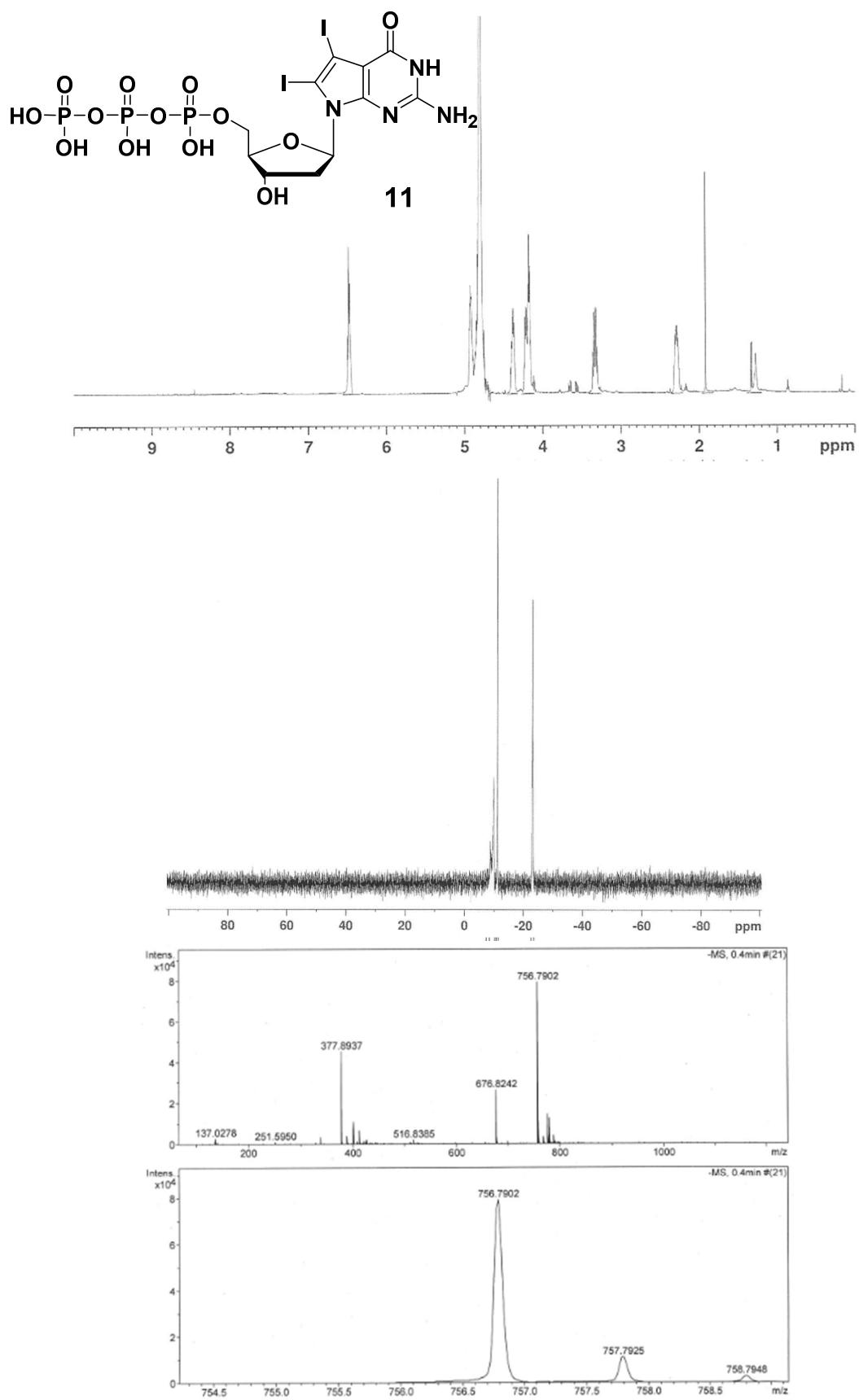












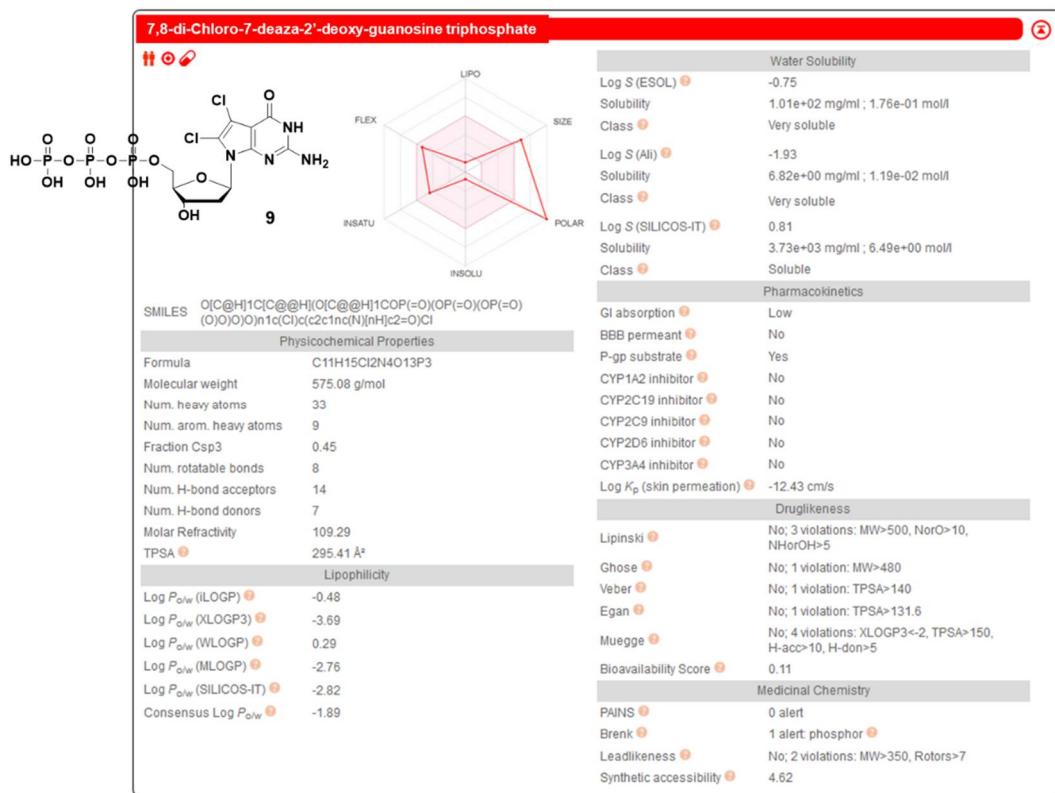


Figure S1. Predicted ADME parameter of compound **9**.

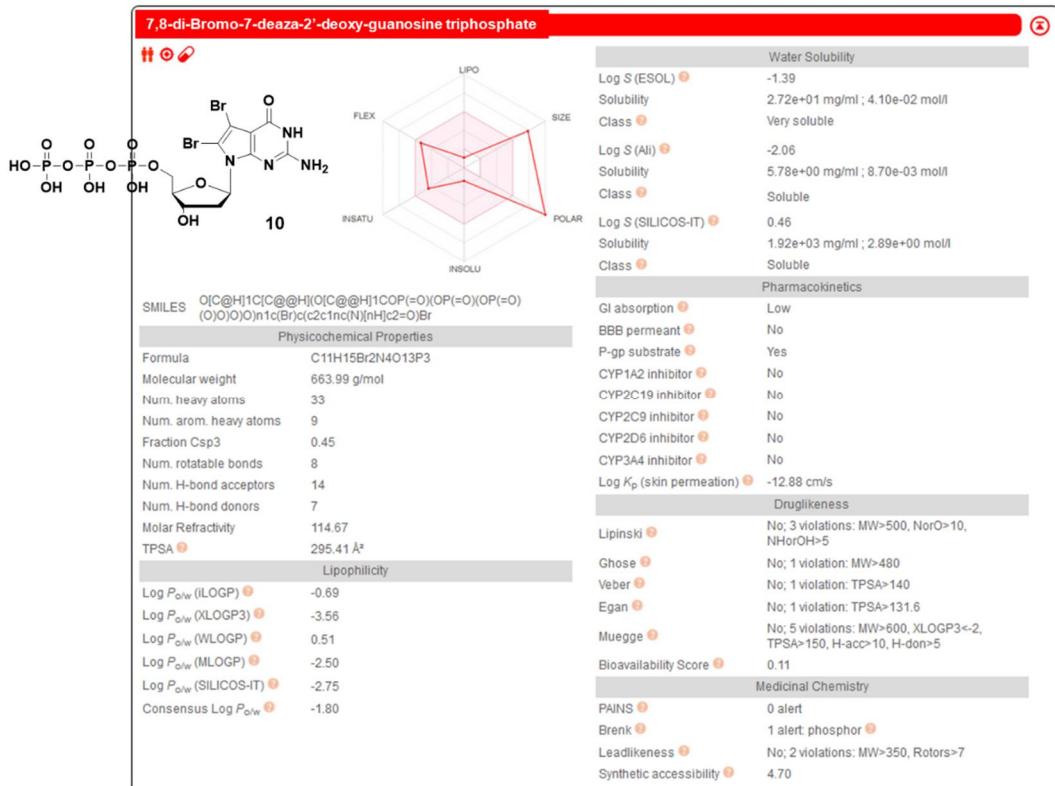


Figure S2. Predicted ADME parameter of compound **10**.

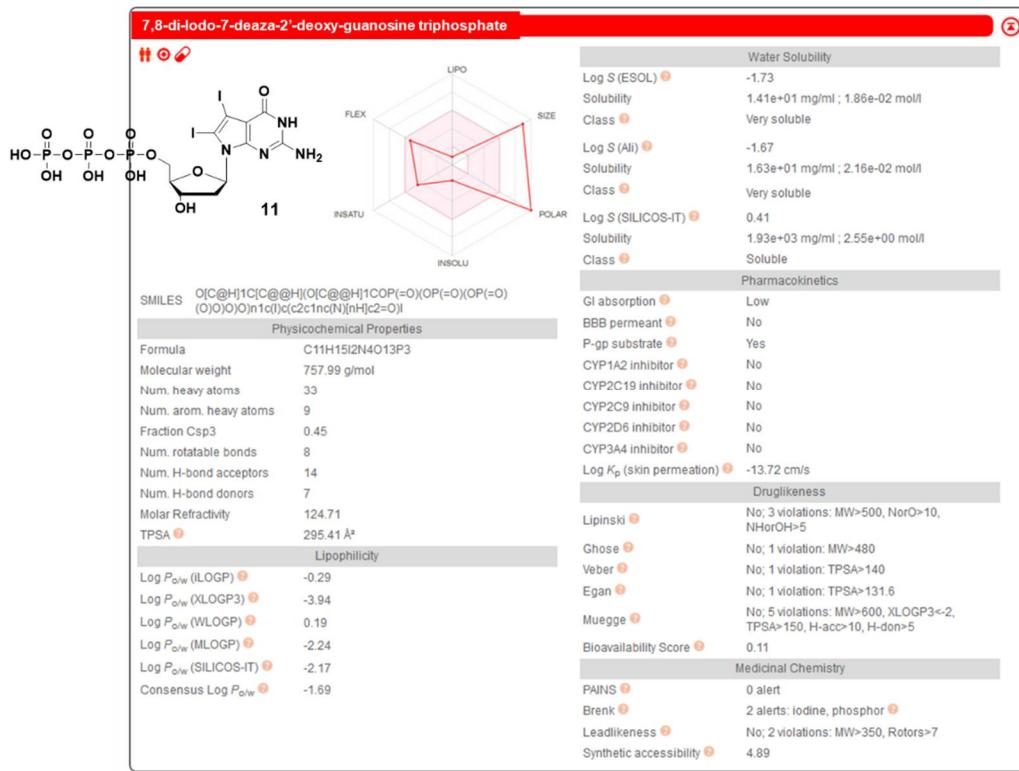


Figure S3. Predicted ADME parameter of compound 11.

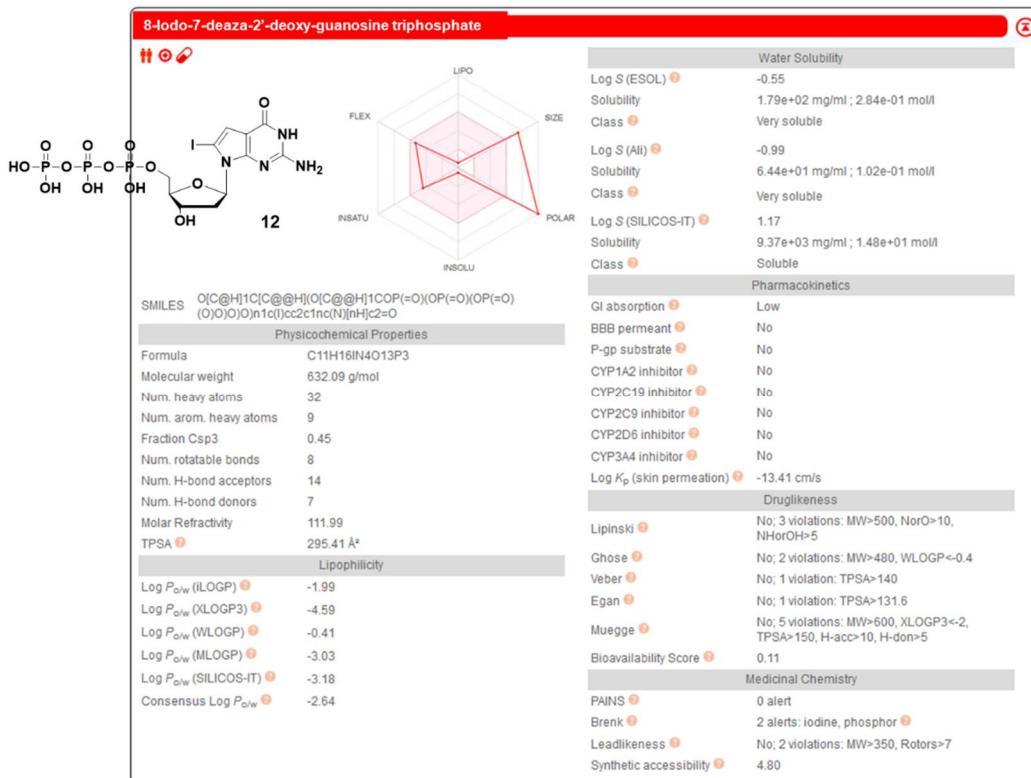


Figure S4. Predicted ADME parameter of compound 12.