

Supplementary Material

Antitumor effects of a new retinoate of the fungal cytotoxin illudin M in brain tumor models

Benedikt Linder^{1#}, Miroslava Zoldakova^{2#}, Zsuzsanna Kornyei³, Leonhard H. F. Köhler², Sebastian Seibt², Dominic Menger¹, André Wetzel², Emília Madarász³, Rainer Schobert², Donat Kögel¹ and Bernhard Biersack^{*,2}

¹Experimental Neurosurgery, Frankfurt University Hospital, Theodor-Stern-Kai 7, 60590 Frankfurt am Main, Germany

²Organic Chemistry 1, University of Bayreuth, Universitaetsstrasse 30, 95440 Bayreuth, Germany

³Laboratory of Cellular and Developmental Neurobiology, Institute of Experimental Medicine of the Hungarian Academy of Sciences, Szigony utca 43, HU-1083 Budapest, Hungary.

Stability Tests

The stability of compound **2** in medium (DMEM) was investigated for the indicated times (Table S1). For the preparation of the calibration samples, stock solutions of the test compounds (1 mg /mL) in MeCN were initially made. The sample was diluted to 0.2 mg/mL in a mixture of MeCN/H₂O (4:1), whereof 20 µL were taken and injected into the column. For HPLC analysis, a Prontosil 120-5-C18 ace EPS 5 µm column was applied, and MeCN/H₂O + 0.1 % glacial acetic acid was used as eluent. Chromatography was run from 7030 to 9010 within 3 min for 40 min.

Table S1. Stability of compound **2** in medium.

Sample	Detected Compounds (in µM)		
	1	Retinoic acid	2
2 (0 h)	<0.01	<0.01	3.92
2 (20 h)	<0.01	<0.01	3.98
2 (48 h)	<0.01	<0.01	3.85
2 (144 h)	<0.01	<0.01	3.94