

Supporting Information

Triterpenoid saponins from the cultivar “Green Elf” of *Pittosporum tenuifolium*

David Pertuit¹, Anne-Claire Mitaine-Offer^{1,*}, Tomofumi Miyamoto², Chiaki Tanaka², Christine Belloir³, Loïc Briand³, Marie-Aleth Lacaille-Dubois¹

¹ PEPITE EA 4267, Laboratoire de Pharmacognosie, UFR des Sciences de Santé, Université de Bourgogne Franche-Comté, BP 87900, 21079 Dijon cedex, France

² Graduate school of pharmaceutical Sciences, Kyushu University, Fukuoka, Japan

³ Centre des Sciences du Goût et de l'Alimentation, AgroSup Dijon, CNRS, INRAE, Université Bourgogne Franche-Comté, 21065 Dijon cedex, France

* Correspondence: anne-claire.offer@u-bourgogne.fr; Tel. : +33-3-80-39-34-74

CONTENTS

Figure S1. HSQC spectrum of compound 1	3
Figure S2. HMBC spectra of compound 1	5
Figure S3. COSY spectrum of compound 1	6
Figure S4. TOCSY spectrum of compound 1	7
Figure S5. ROESY spectrum of compound 1	8
Figure S6. HSQC spectrum of compound 2	9
Figure S7. HMBC spectra of compound 2	11
Figure S8. COSY spectrum of compound 2	12
Figure S9. TOCSY spectrum of compound 2	13
Figure S10. ROESY spectrum of compound 2	14
Figure S11. Activation of hTAS1R2-hTAS1R3 by sucralose	15
Figure S12. Inhibitory effect of GS on the response of sucralose by hTAS1R2-hTAS1R3	16

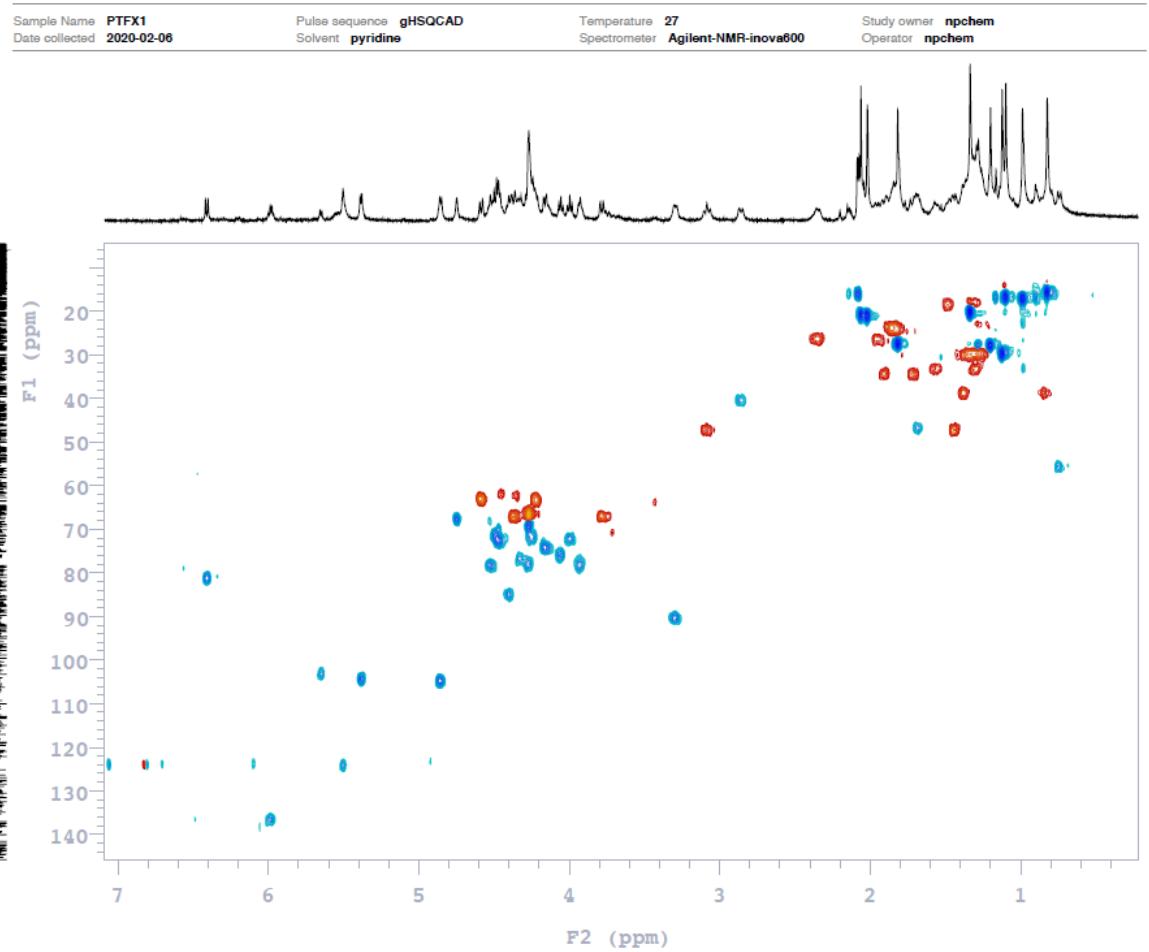
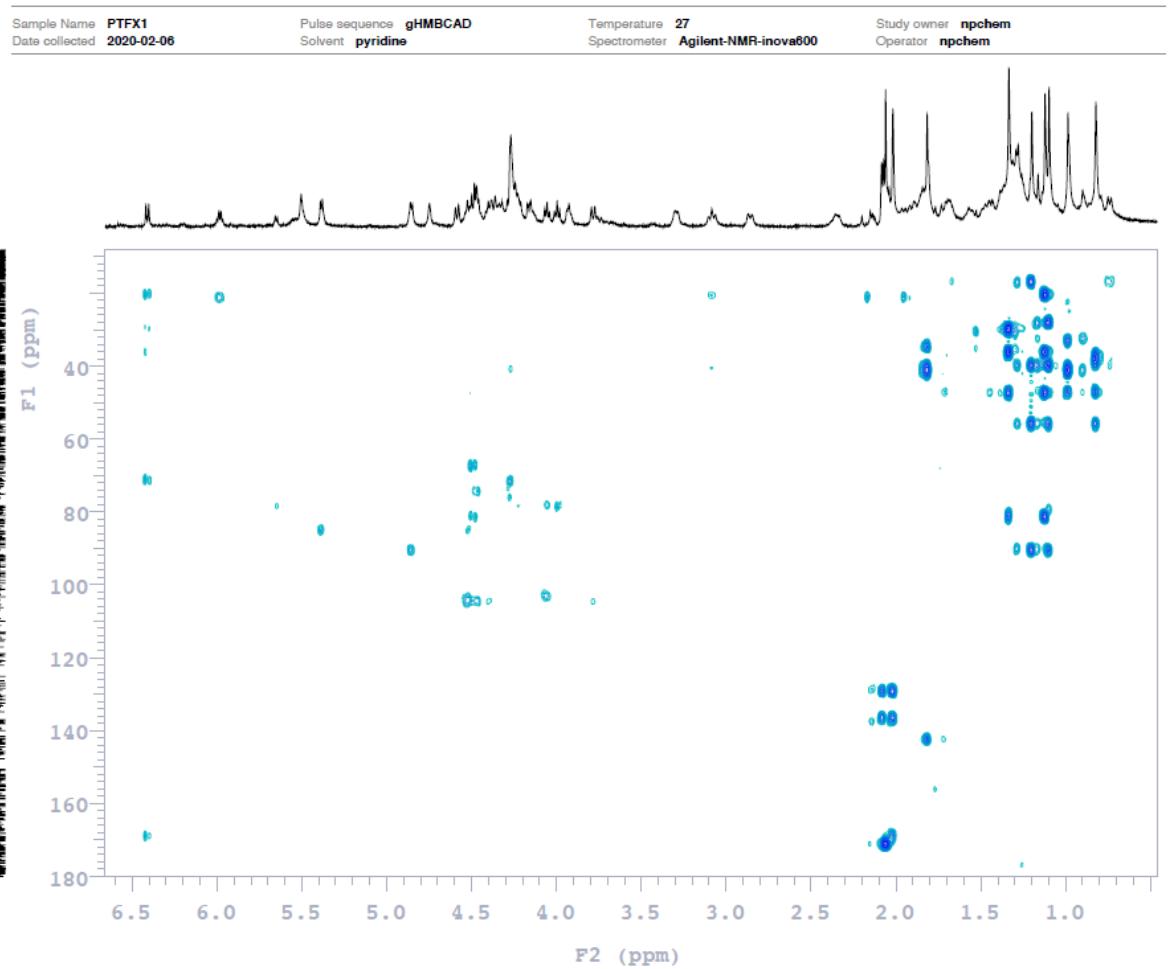


Figure S1. HSQC spectrum of compound **1**



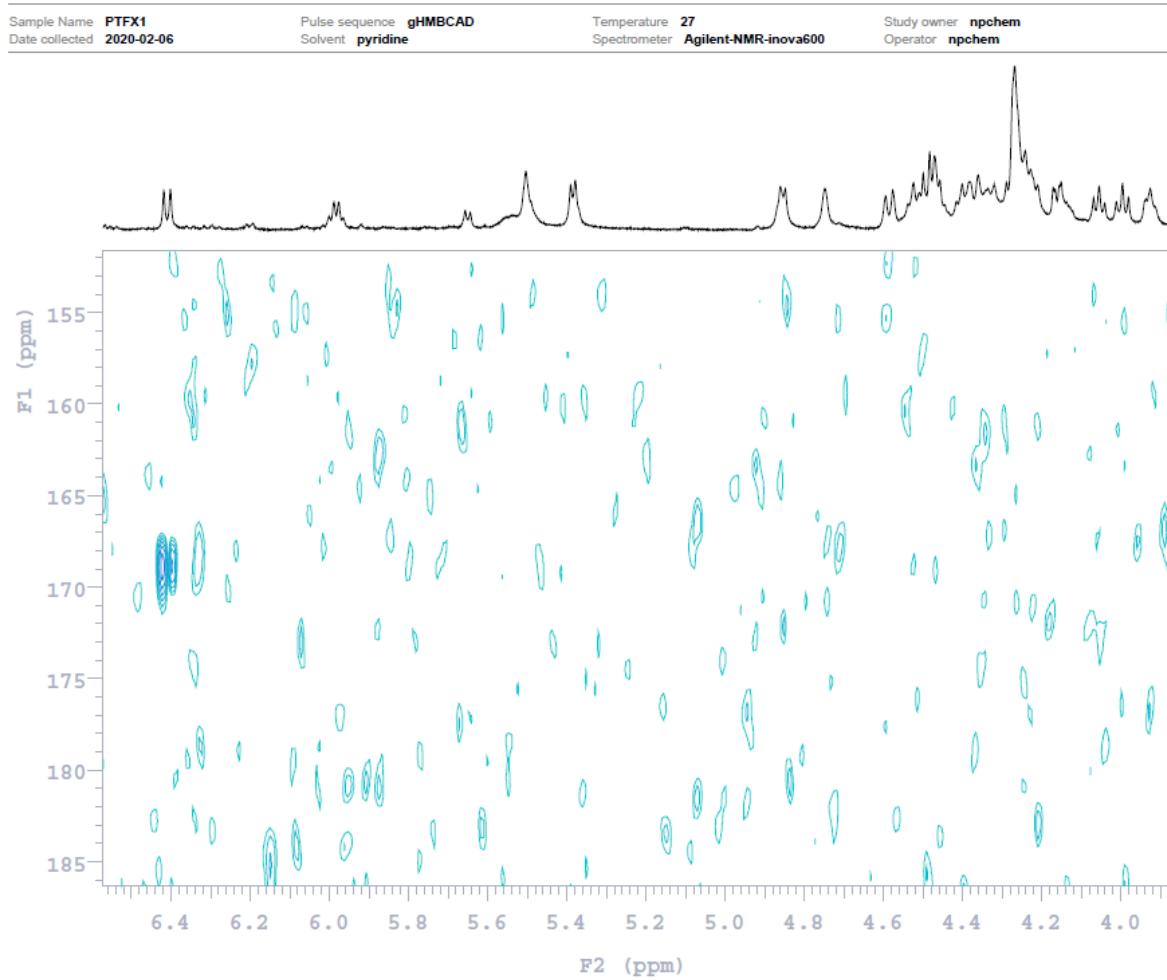


Figure S2. HMBC spectra of compound **1**

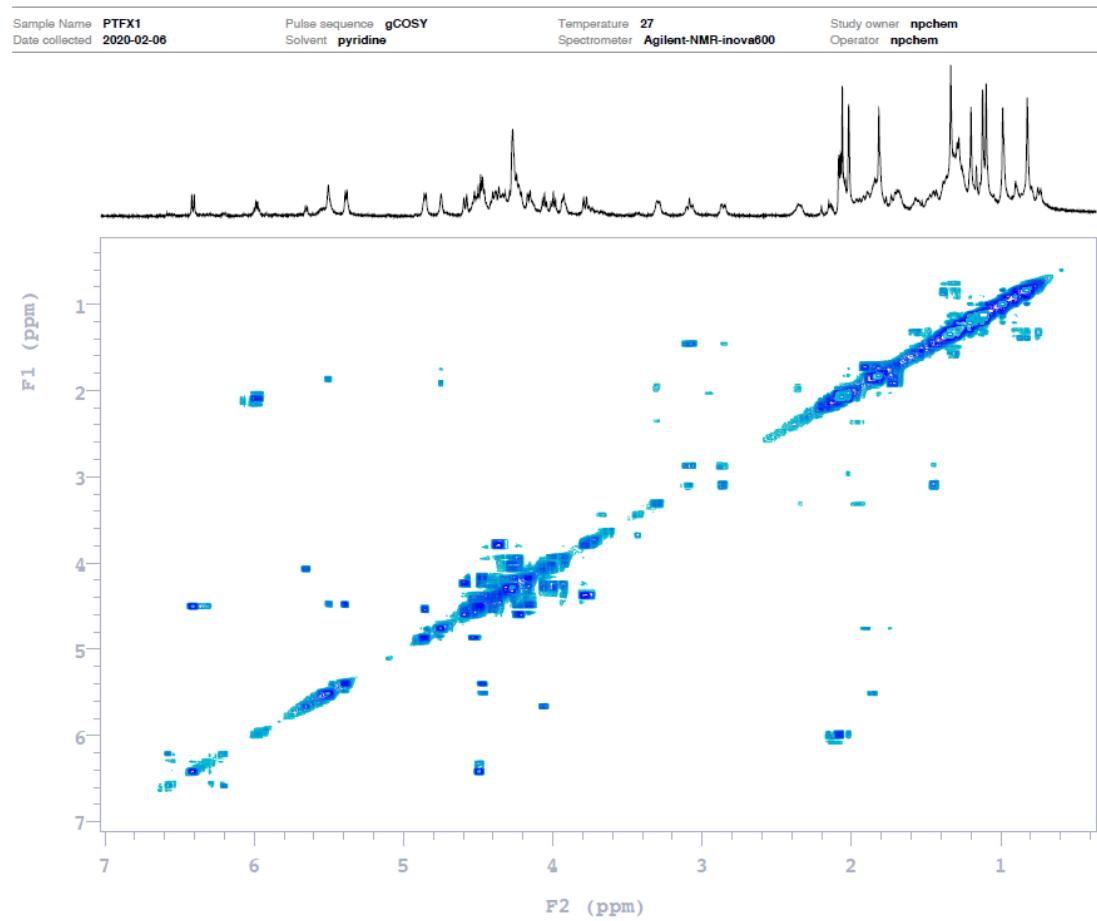


Figure S3. COSY spectrum of compound 1

Sample Name	PTFX1	Pulse sequence	zTOCSY	Temperature	27	Study owner	npchem
Date collected	2020-02-06	Solvent	pyridine	Spectrometer	Agilent-NMR-inova600	Operator	npchem

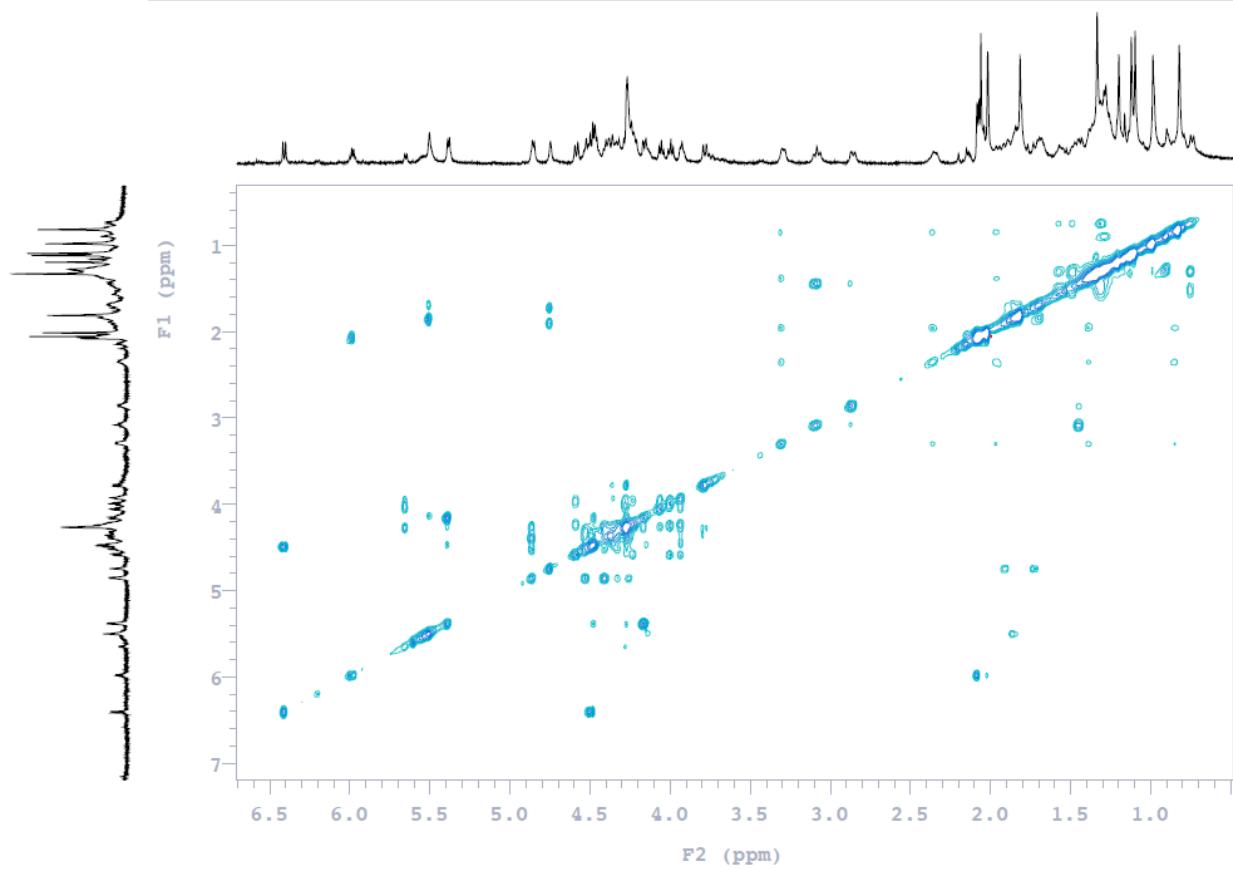


Figure S4. TOCSY spectrum of compound 1

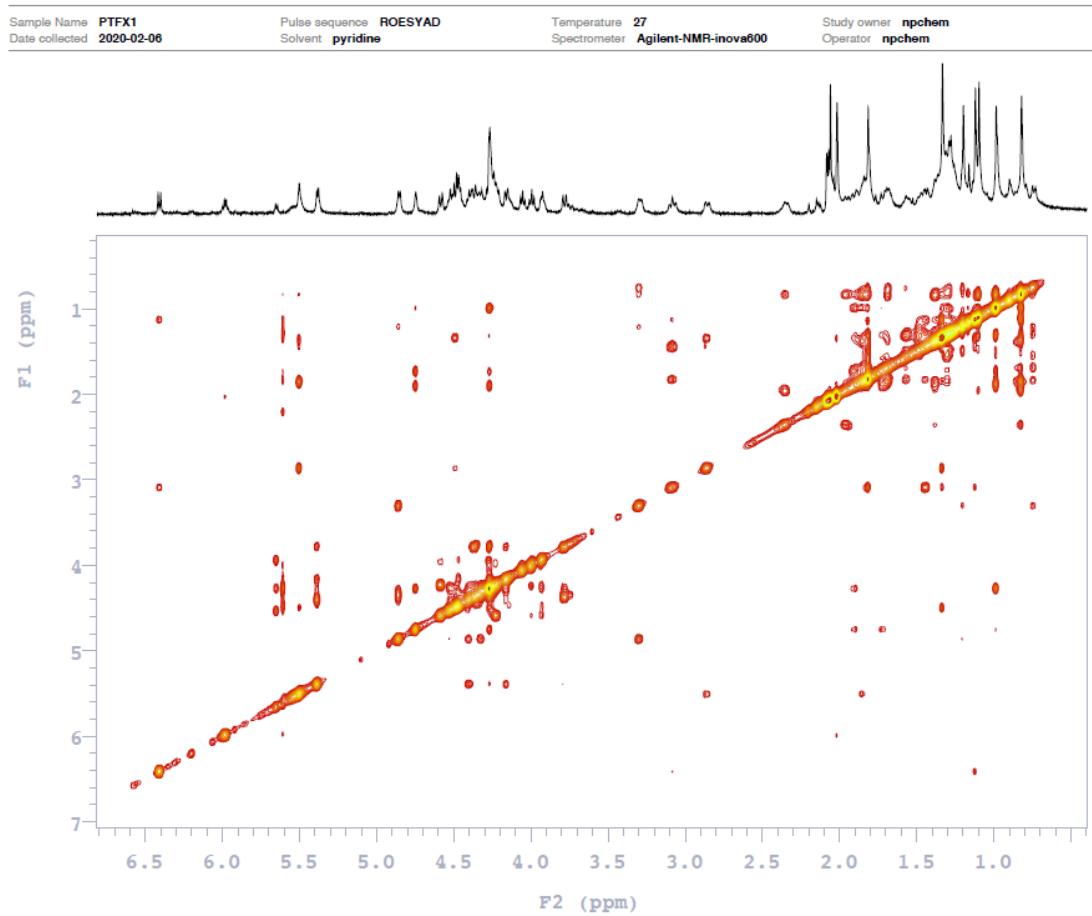


Figure S5. ROESY spectrum of compound 1

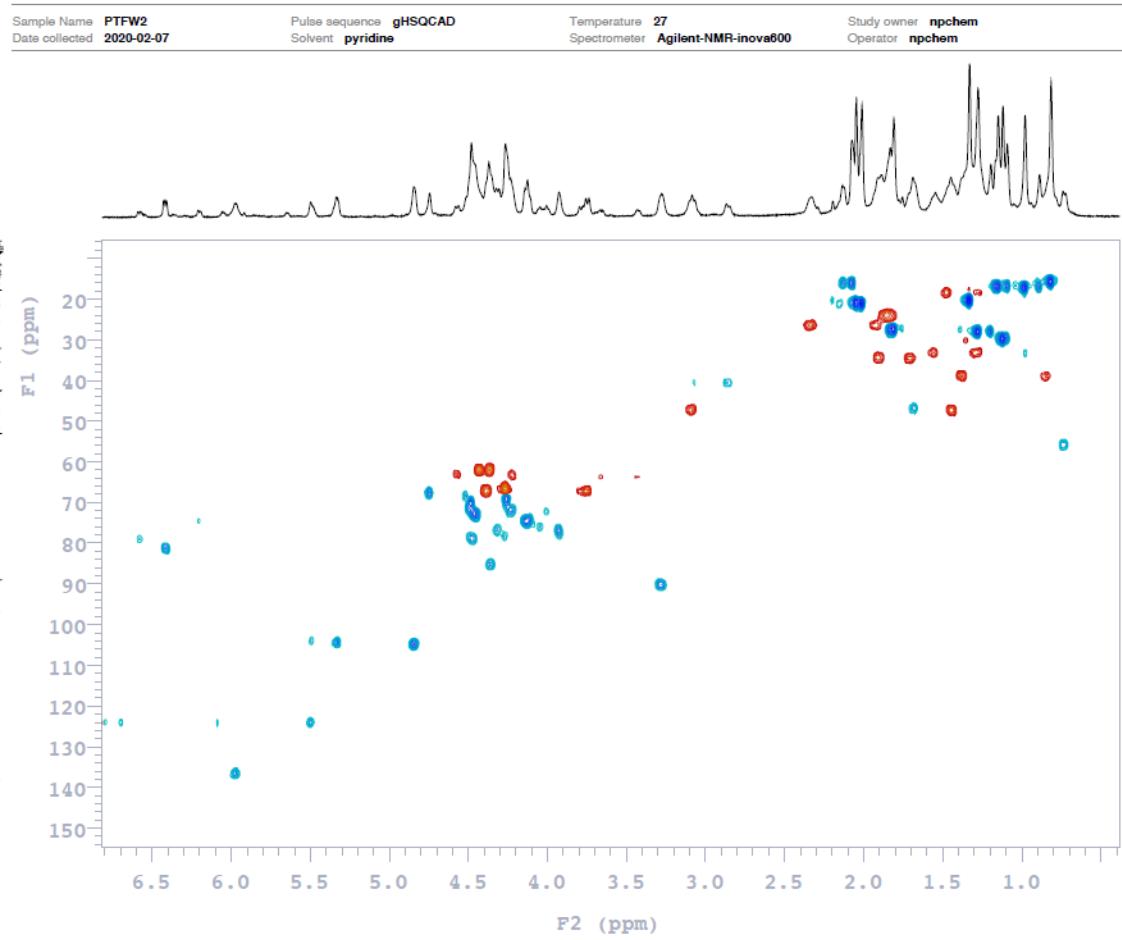
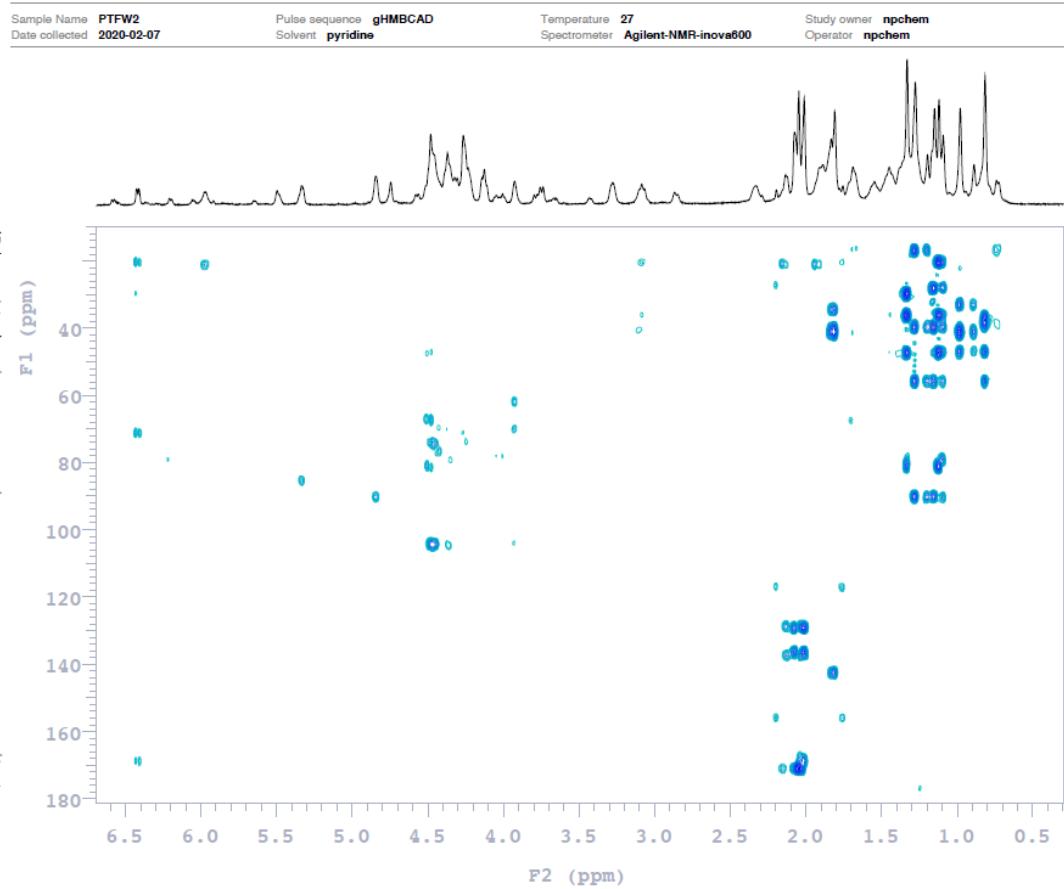


Figure S6. HSQC spectrum of compound **2**



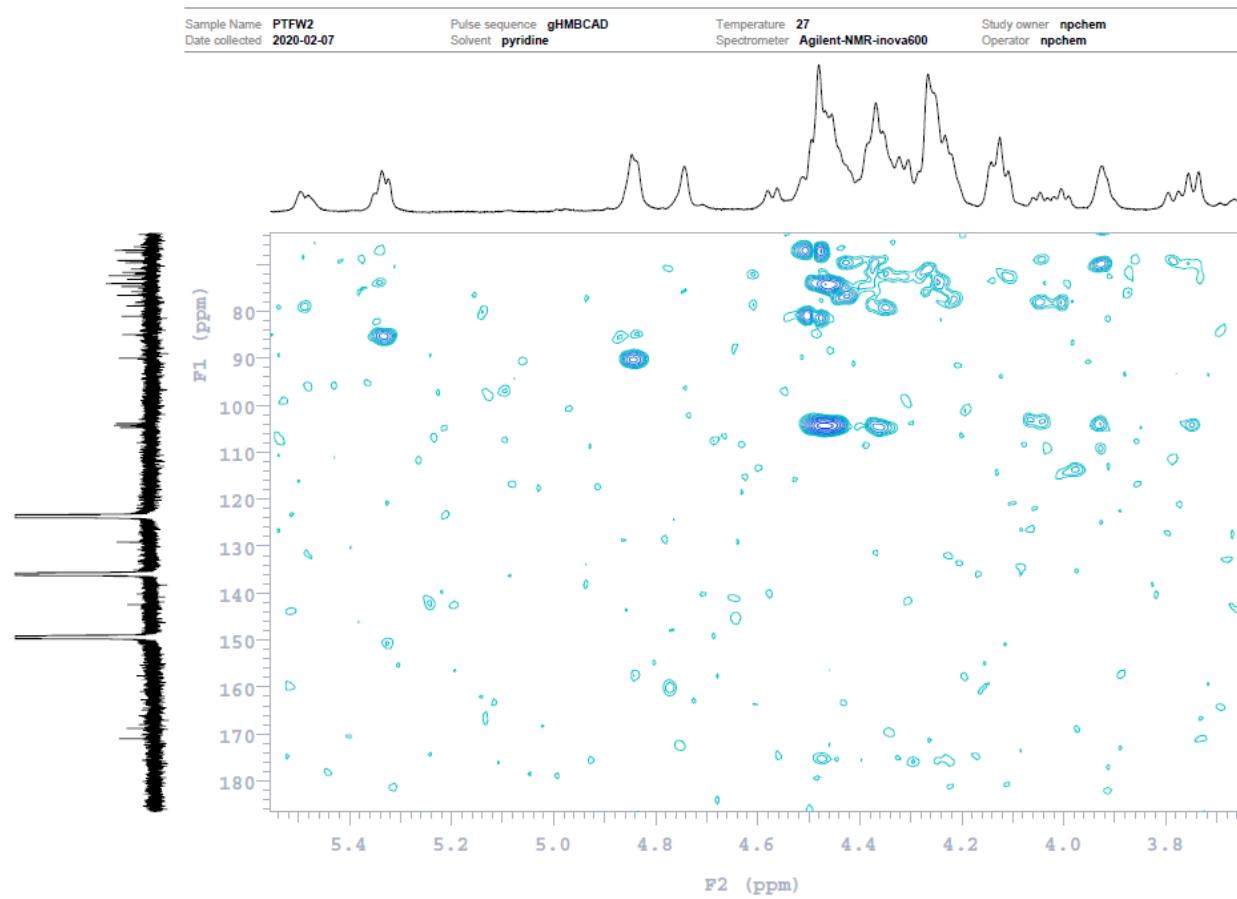


Figure S7. HMBC spectra of compound 2

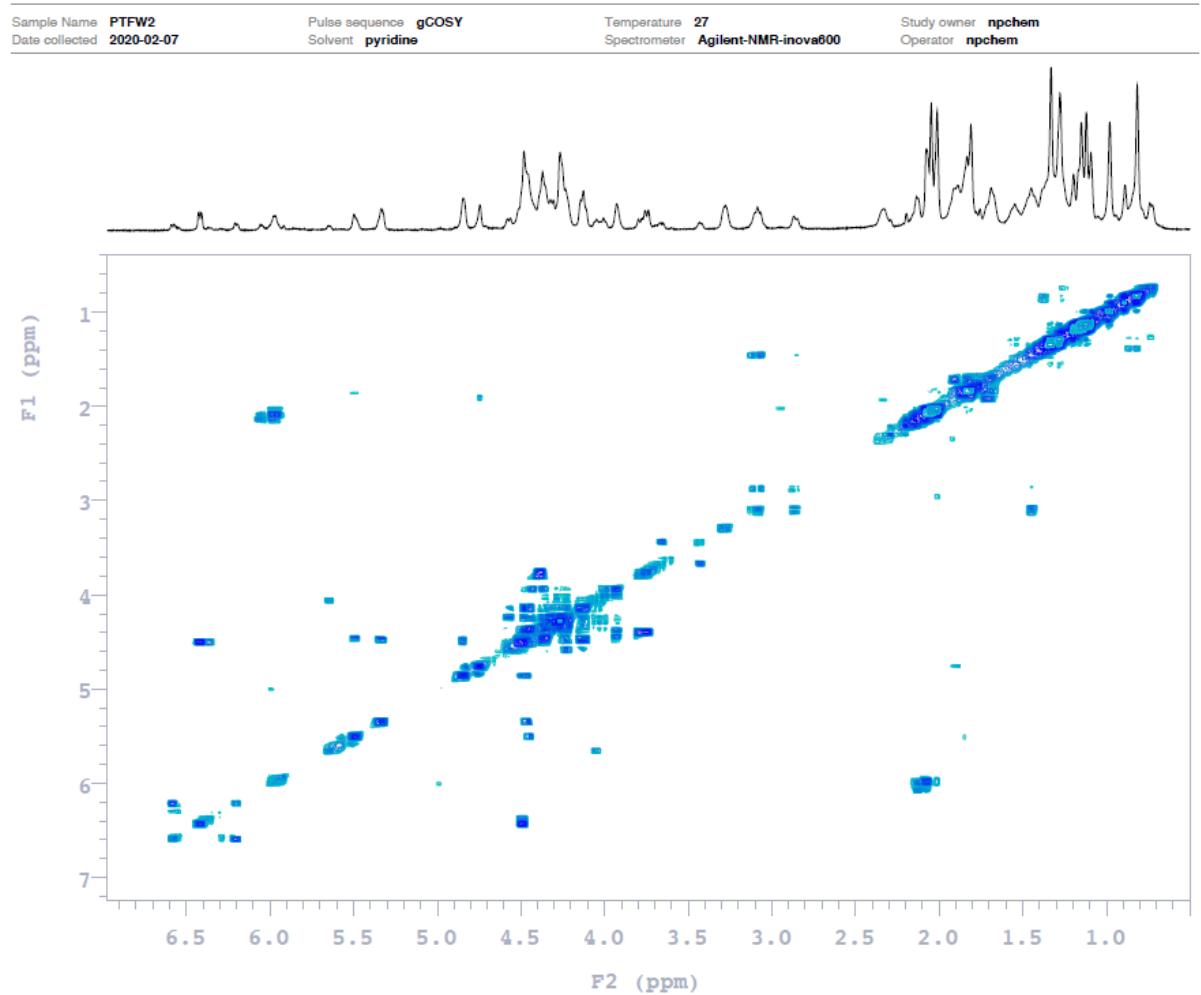


Figure S8. COSY spectrum of compound 2

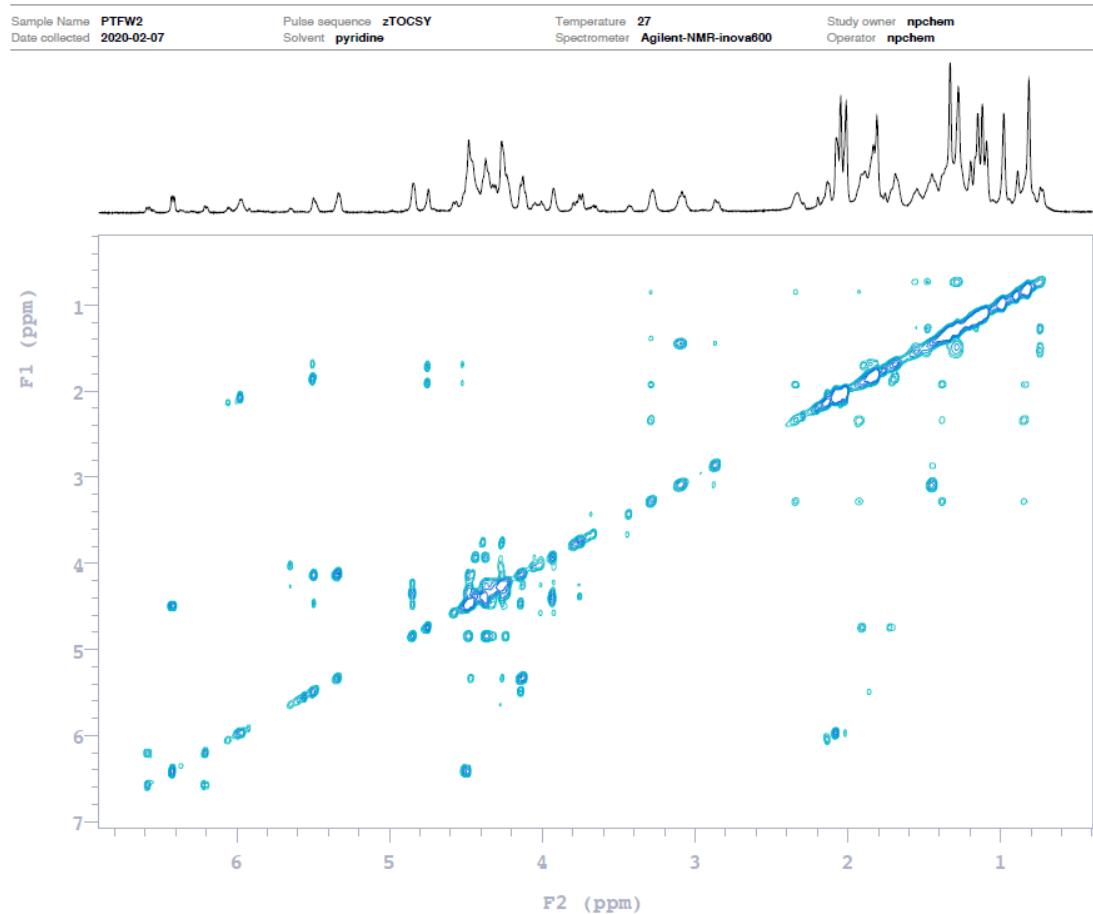


Figure S9. TOCSY spectrum of compound 2

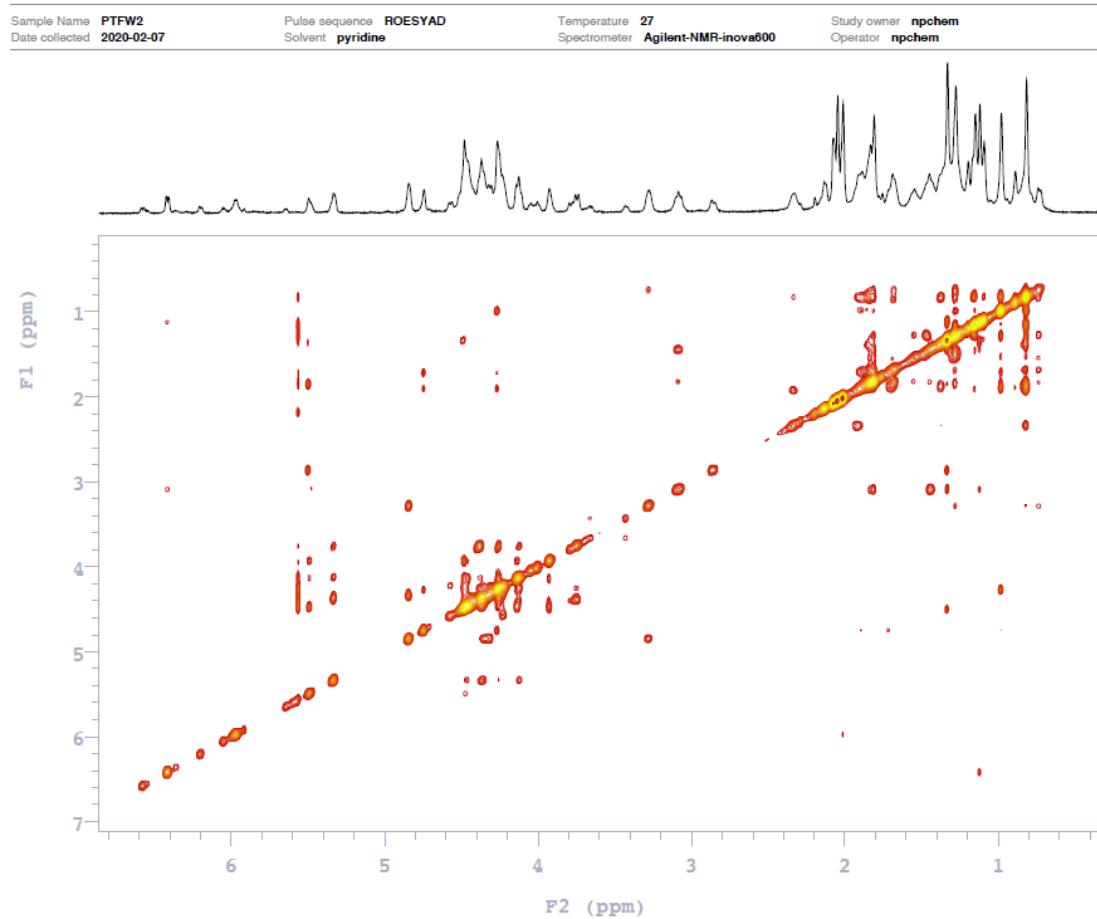


Figure S10. ROESY spectrum of compound 2

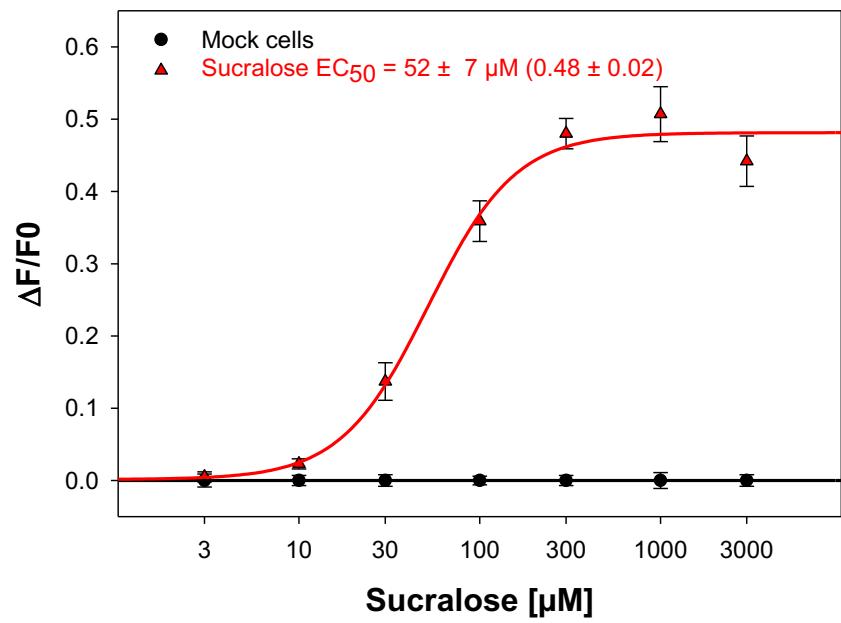


Figure S11. Activation of hTAS1R2-hTAS1R3 by sucralose

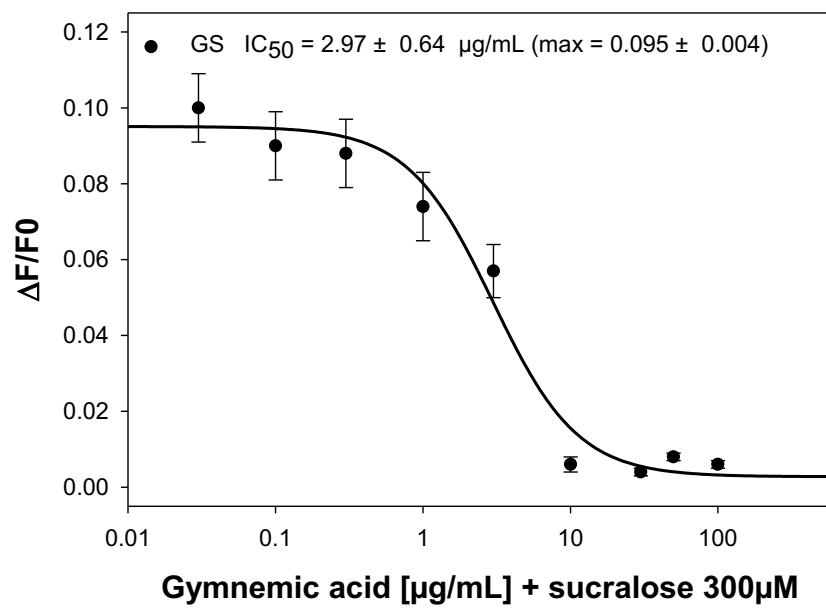


Figure S12. Inhibitory effect of GS on the response of sucralose by hTAS1R2-hTAS1R3