Bufotenine Extract from *Rhinella Jimi* Toad Skin Secretions

ACE® Ultra-inert UHPLC & HPLC Columns

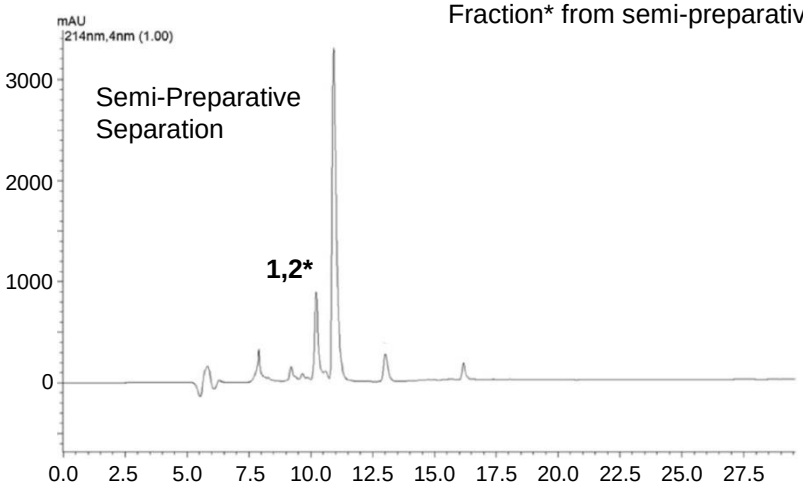
Application #AN3800

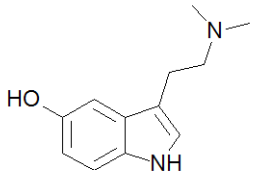
Conditions

Column:	ACE 5 C18
Dimensions:	250 x 7.75 mm (semi-preparative separation) and 250 x 4.6 mm (analytical)
Part Number:	ACE-121-2508 and ACE-121-2546
Mobile Phase:	A: 0.1% TFA in H_2O B: 0.1% TFA in H_2O/MeCN (10:90 v/v)

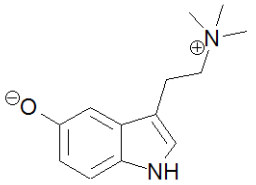
Semi-Preparative		Analytical	
Time (mins)	**%B**	**Time (mins)**	**%B**
0	10	0	13
35	70	15	15

Flow Rate:	1.7 mL/min (semi-preparative) and 1.1 mL/min (analytical)
Temperature:	4 °C (analytical)
Detection:	UV, 214 nm MS positive ESI mode for peak identification
Sample:	Aqueous extract from liquid-liquid partition of toad skin secretion Fraction* from semi-preparative separation injected into analytical system.

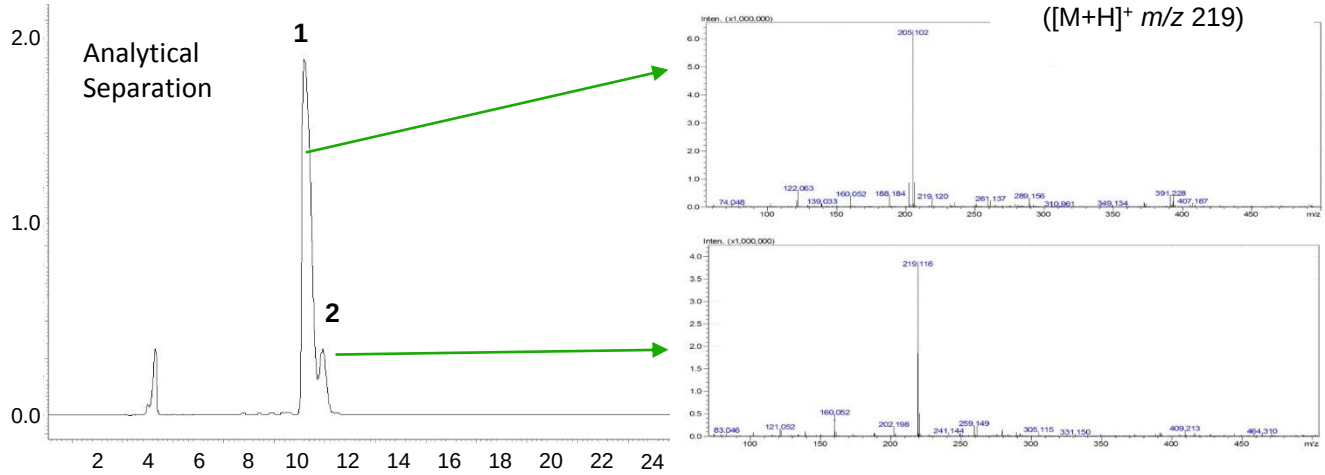




1. Bufotenine ([M+H]$^+$ *m/z* 205)



2. Bufotenidine (5-HTQ) ([M+H]$^+$ *m/z* 219)



Vigerelli H, Sciani JM, Jared C, Antoniazzi MM, Caporale GMM, Rodrigues da Silva A, Pimenta DC. Bufotenine is able to block rabies virus infection in BHK-21 cells. Journal of Venomous Animals and Toxins including Tropical Diseases 2014, 20:45. doi:10.1186/1678-9199-20-45

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