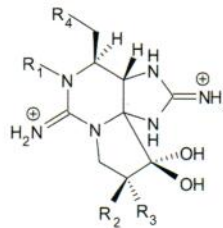


Conditions

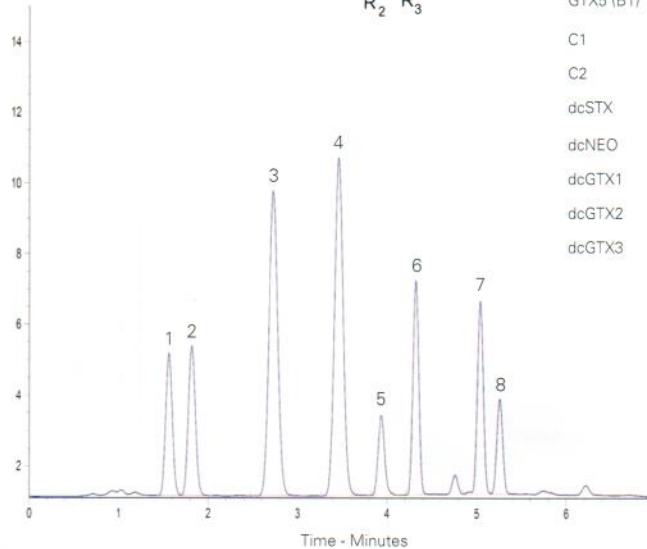
Column: ACE UltraCore 5 SuperC18
Dimensions: 150 x 4.6 mm
Part Number: CORE-5A-1546U
Mobile Phase: A: 0.1 M ammonium formate in H₂O
 B: 0.1 M ammonium formate in H₂O/MeOH (95:5 v/v)
Gradient: **Time (mins)** **%B**
 0.00 0
 2.00 0
 4.00 80
 5.50 80
 5.51 0
 7.00 0
Flow Rate: 2 mL/min
Injection: 30 µL
Temperature: 20 °C
Detection: Fluorescence λ_{Ex} 340 nm,
 λ_{Em} 395 nm
Sample: Chromatographic oxidation with hydrogen peroxide and periodate

Analytes

1. dcGTX2,3
2. GTX1/4 + dcGTX2,3
3. C1,2
4. dcSTX + dcNEO
5. dcSTX + NEO
6. GTX2/3 + GTX1/4
7. GTX5
8. STX + NEO



PST Variant	R1	R2	R3	R4
STX	H	H	H	H ₂ N-COO
NEO	OH	H	H	H ₂ N-COO
GTX1	OH	H	OSO ₃ ⁻	H ₂ N-COO
GTX2	H	H	OSO ₃ ⁻	H ₂ N-COO
GTX3	H	OSO ₃ ⁻	H	H ₂ N-COO
GTX4	OH	OSO ₃ ⁻	H	H ₂ N-COO
GTX5 (B1)	H	H	H	O ₃ S-NH-COO
C1	H	H	OSO ₃ ⁻	O ₃ S-NH-COO
C2	H	OSO ₃ ⁻	H	O ₃ S-NH-COO
dcSTX	H	H	H	OH
dcNEO	OH	H	H	OH
dcGTX1	OH	H	OSO ₃ ⁻	OH
dcGTX2	H	H	OSO ₃ ⁻	OH
dcGTX3	H	OSO ₃ ⁻	H	OH



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Parotoid Macroglad Secretions from South American Toads

Conditions

Column: ACE 5 C18
Dimensions: 250 x 4.6 mm
Part Number: ACE-121-2546
Mobile Phase: A: 0.1% TFA in H₂O
 B: 0.1% TFA in MeCN/H₂O (90:10 v/v)
Gradient: **Time (mins)** **%B**
 0 0
 5 0
 25 100
Flow Rate: 1 mL/min
Detection: PDA, 214 nm (Scanning 200-500 nm)

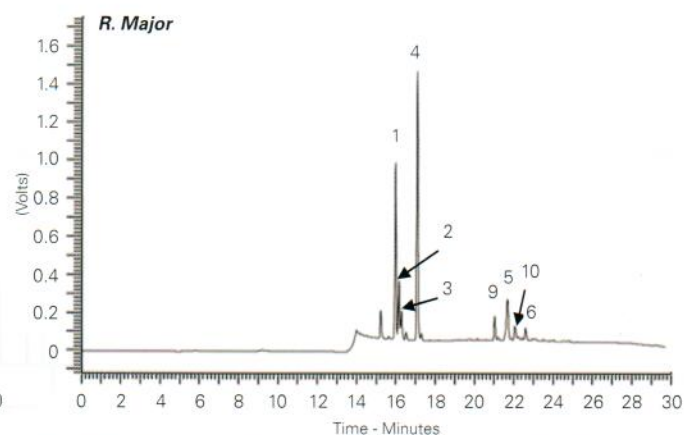
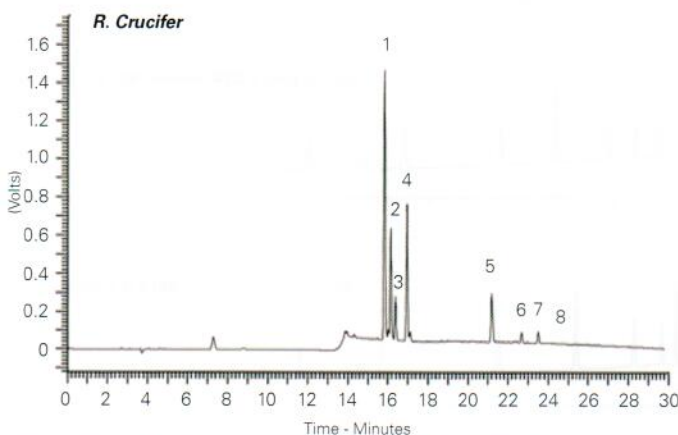
Analytes

1. Serotonin
2. N-Methylserotonin
3. N,N-Dimethylserotonin (bufotenine)
4. Dehydrobufotenine
5. Hellebrigenin
6. Marinobufagin
7. Telocinobufagin
8. Bufalin
9. Hellebrigenol-3-O-sulphate
10. Desacetylcinobufagin

Available from



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Scianni JM, Angeli CB, Antoniazzi MM, Jared C, Pimenta DC. Differences and Similarities among Parotoid Macroglad Secretions in South American Toads: A Preliminary Biochemical Delineation. The Scientific World Journal 2013, <http://dx.doi.org/10.1155/2013/937407>