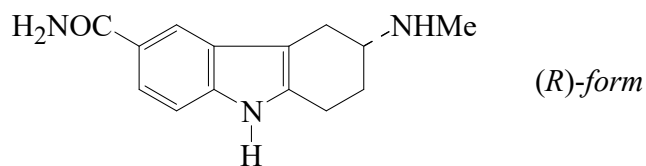




>>Entry Name: Frovatriptan, BAN, INN

Synonym(s): 2,3,4,9-Tetrahydro-3-(methyldamino)-1*H*-carbazole-6-carboxamide, 9Cl. SB 209509. VML 251



CAS Registry Number: 147009-08-3

Related CAS Registry Numbers(s): 158747-09-2

Molecular Formula: C₁₄H₁₇N₃O

Molecular Weight: 243.308

Accurate Mass: 243.137162

Percentage Composition: C 69.11%; H 7.04%; N 17.27%; O 6.58%

Biological Use/Importance: 5-HT_{1B/1D} receptor agonist. Antimigraine agent

Development Status: Scheduled for phase III clin. trials (1997)

>>Variant: (*R*)-form

CAS Registry Number: 158747-02-5

Molecular Formula: C₁₄H₁₇N₃O

Molecular Weight: 243.308

Accurate Mass: 243.137162

Percentage Composition: C 69.11%; H 7.04%; N 17.27%; O 6.58%

Other Data: Pharmacol. active isomer

>>Derivative: Hydrochloride

CAS Registry Number: 158747-00-3

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 219-225°

Optical Rotation: [α]_D²⁵+25.4 (c, 0.063 in MeOH)

>>Derivative: Succinate

Synonym(s): Frovatriptan succinate, USAN

CAS Registry Number: 158930-17-7

>>Variant: (*S*)-form

CAS Registry Number: 158930-18-8

Molecular Formula: C₁₄H₁₇N₃O

Molecular Weight: 243.308

Accurate Mass: 243.137162

Percentage Composition: C 69.11%; H 7.04%; N 17.27%; O 6.58%

>>Derivative: Hydrochloride

CAS Registry Number: 158747-01-4

Melting Point: Mp 219-225°

Optical Rotation: [α]_D²⁵-23.3 (c, 0.12 in MeOH)

References:

Pat. Coop. Treaty (WIPO), 1994, *SmithKline Beecham*, 94 14 772; *CA*, **121**, 280540t, (*frovatriptan succinate, synth, pharmacol*)

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Parsons, A.A. *et al.*, *J. Cardiovasc. Pharmacol.*, 1997, **30**, 136-141, (*pharmacol*)