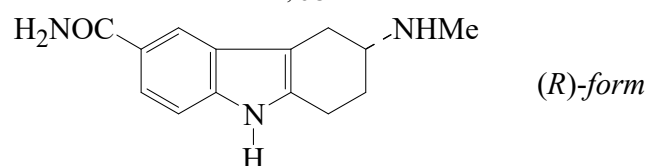




>>Entry Name: Frovatriptan, BAN, INN

Synonym(s): 2,3,4,9-Tetrahydro-3-(methylamino)-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: C<sub>14</sub>H<sub>17</sub>N<sub>3</sub>O

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<sub>1B/1D</sub> receptor agonist. Antimigraine agent

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

>>Variant: (*R*)-form

CAS Registry Number: 158747-02-5

Molecular Formula: C<sub>14</sub>H<sub>17</sub>N<sub>3</sub>O

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/Et<sub>2</sub>O)

Melting Point: Mp 219-225°

Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>25</sup>+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: C<sub>14</sub>H<sub>17</sub>N<sub>3</sub>O

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: [ $\alpha$ ]<sub>D</sub><sup>25</sup>-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*)

*Drugs of the Future*, 1997, **22**, 725-728, (*rev*)

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