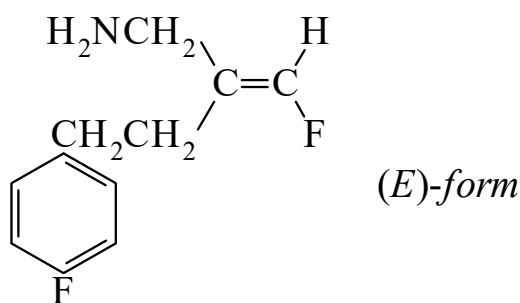




>>Entry Name: Mofegiline, INN

Synonym(s): 4-Fluoro-β-(fluoromethylene)benzenebutanamine, 9CI. 2-Benzyl-3-fluoro-2-propen-1-amine. MDL 72974



Molecular Formula: C₁₁H₁₃F₂N

Molecular Weight: 197.227

Accurate Mass: 197.101605

Percentage Composition: C 66.99%; H 6.64%; F 19.27%; N 7.10%

Use/Importance: Monoamine oxidase B inhibitor. Under investigation for treatment of Alzheimer's disease and parkinsonism

Calculated Log P Data: Log P 2.05 (uncertain value) (calc)

>>Variant: (E)-form

CAS Registry Number: 119386-96-8

Molecular Formula: C₁₁H₁₃F₂N

Molecular Weight: 197.227

Accurate Mass: 197.101605

Percentage Composition: C 66.99%; H 6.64%; F 19.27%; N 7.10%

>>Derivative: Hydrochloride

Synonym(s): Mofegiline hydrochloride, USAN

CAS Registry Number: 120635-25-8

Physical Description: Plates

Melting Point: Mp 131°

References:

- Eur. Pat.*, 1988, Merrell Dow, 295 604; *CA*, **110**, 212339g, (*synth, pharmacol*)
Terleckyj, I.A. *et al.*, *Ann. N.Y. Acad. Sci.*, 1992, **648**, 365, (*pharmacol*)
Marconi, R. *et al.*, *J. Neurol. Neurosurg. Psychiatry*, 1992, **55**, 1096, (*use*)
Dulery, B.D. *et al.*, *Arzneim.-Forsch.*, 1993, **43**, 297, (*pharmacol*)
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Dow, J. *et al.*, *Drug Metab. Dispos.*, 1994, **22**, 738, (*metab*)