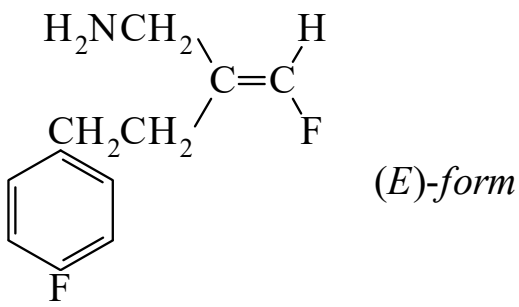
>>**Entry Name: Mofegiline,** INN

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



(*E*)-*form*

Molecular Formula: $C_{11}H_{13}F_2N$
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: $C_{11}H_{13}F_2N$
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)*
Pat. Coop. Treaty (WIPO), 1993, *Merrell Dow*, 93 24 120; *CA*, **120**, 134014n, *(salts, use)*
Dow, J. *et al.*, *Drug Metab. Dispos.*, 1994, **22**, 738, *(metab)*