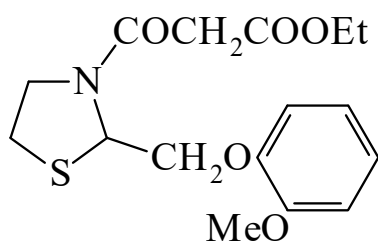




>>Entry Name: Moguisteine, INN

Synonym(s): Ethyl 2-[(2-methoxyphenoxy)methyl]-β-oxo-3-thiazolidinepropanoate, 9CI



CAS Registry Number: 119637-67-1

Related CAS Registry Numbers(s): 126127-97-7 126128-00-5 126128-01-6

Molecular Formula: C₁₆H₂₁NO₅S

Molecular Weight: 339.412

Accurate Mass: 339.114044

Percentage Composition: C 56.62%; H 6.24%; N 4.13%; O 23.57%; S 9.45%

Use/Importance: Antitussive agent. Enantiomers have similar pharmacol. profile

Development Status: Phase I clinical trials

Calculated Log P Data: Log P 2.73 (calc)

Other Data: Related to Guaisteine [GRM70-D](#)

>>Variant: (±)-form

CAS Registry Number: 126145-23-1

Molecular Formula: C₁₆H₂₁NO₅S

Molecular Weight: 339.412

Accurate Mass: 339.114044

Percentage Composition: C 56.62%; H 6.24%; N 4.13%; O 23.57%; S 9.45%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 64-66°

References:

Eur. Pat., 1989, *Boehringer Mannheim*, 333 080; *CA*, **112**, 158236x, (*synth, pharmacol*)

Cavalletti, E. *et al.*, *Arzneim.-Forsch.*, 1994, **44**, 1227; 1347, (*tox*)

Gallico, L. *et al.*, *Br. J. Pharmacol.*, 1994, **112**, 795, (*pharmacol*)

Castoldi, D. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1994, **655**, 243, (*metab, hplc*)

Gandolfi, C.A. *et al.*, *J. Med. Chem.*, 1995, **38**, 508, (*synth, activity*)