



Product Information

Product ID M5727

CAS No. 119637-67-1

Chemical Name

Synonym +/-)-2-(2-Methoxyphenoxy)-methyl-3-ethoxycarbonylacetyl-1,3-thiazolidine, (R, S)-2-(2-Methoxyphenoxy)-methyl-3-ethoxycarbonyl-acetyl-1,3 thiazolidine

Formula C₁₆H₂₁NO₅S

Formula Wt. 339.41

Melting Point 72-76 °C

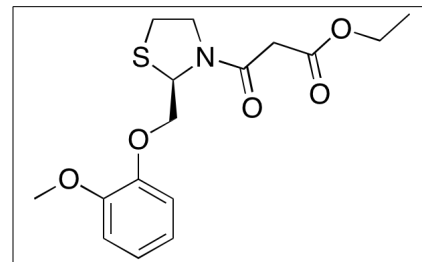
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Moguisteine is a non-narcotic anti-tussive compound that is used to prevent chronic cough. Moguisteine may derive its function through inhibition of rapidly-adapting irritant receptors or through activation of ATP-sensitive K⁺ channels in the tracheobronchial tract.



Bulk quantities available upon request

Product ID	Size
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M5727	100 mg
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M5727	250 mg
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M5727	1 g
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References Luo YL, Li PB, Zhang CC, et al. Effects of four antitussives on airway neurogenic inflammation in a guinea pig model of chronic cough induced by cigarette smoke exposure. *Inflamm Res*. 2013 Dec;62(12):1053-61. PMID: 24085318.

Morita K, Onodera K, Kamei J. Inhaled pinacidil, an ATP-sensitive K⁺ channel opener, and moguisteine have potent antitussive effects in guinea pigs. *Jpn J Pharmacol*. 2002 Jun;89(2):171-5. PMID: 12120760.

Sant'Ambrogio G, Sant'Ambrogio FB. Action of moguisteine on the activity of tracheobronchial rapidly adapting receptors in the dog. *Eur Respir J*. 1998 Feb;11(2):339-44. PMID: 9551735.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.