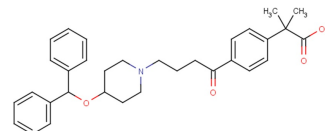


Carebastine

Chemical Properties

CAS No.:	90729-42-3
Formula:	C ₃₂ H ₃₇ NO ₄
Molecular Weight:	499.64
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Carebastine, the active metabolite of Ebastine, is an antagonist of the histamine H1 receptor.
Targets(IC ₅₀)	H1 receptor: None
In vitro	Carebastine inhibits VEGF-induced HPAEC and HUVEC proliferation, migration, and angiogenesis in a dose-dependent manner [1]. Carebastine suppresses the expression of macrophage migration inhibitory factor [2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.001 mL	10.007 mL	20.014 mL
5 mM	0.4 mL	2.001 mL	4.003 mL
10 mM	0.2 mL	1.001 mL	2.001 mL
50 mM	0.04 mL	0.2 mL	0.4 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. De Luisi A, et al. Anti-angiogenic activity of carebastine: a plausible mechanism affecting airway remodelling. Eur Respir J. 2009 Oct;34(4):958-66.
2. Zhao Y, et al. Carebastine, an H1-receptor antagonist, suppresses the expression of macrophage migration inhibitory factor. Clin Exp Dermatol. 2008 Nov;33(6):785-7.

Inhibitors · Natural Compounds · Compound Libraries

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