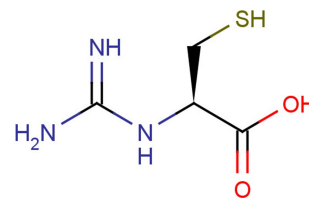


IQB-782

Chemical Properties

CAS No.:	40454-21-5
Formula:	C ₄ H ₉ N ₃ O ₂ S
Molecular Weight:	163.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	IQB-782 shows a potent mucolytic-expectorant activity. IQB-782 is a cysteine derivative. IQB-782 has inhibition for thrombin activatable fibrinolysis inhibitor (TAFI), with an Ki(app) of 0.14 μ M.
Targets(IC ₅₀)	TAFI: (Kiapp)0.14 μ M
In vitro	IQB-782 inhibits TAFI related carboxypeptidases with IC ₅₀ s of 12 μ M and 49 μ M for CPB and CPN, respectively.

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	6.127 mL	30.637 mL	61.275 mL
5 mM	1.225 mL	6.127 mL	12.255 mL
10 mM	0.613 mL	3.064 mL	6.127 mL
50 mM	0.123 mL	0.613 mL	1.225 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. Do YH, et al. Inhibition of thrombin activatable fibrinolysis inhibitor by cysteine derivatives. Thromb Res. 2005;116(3):265-71.
2. Moratalla R, et al. Pharmacological study of the new mucolytic drug N-guanyl-cysteine. Arzneimittelforschung. 1986 Jun;36(6):918-23.

Inhibitors · Natural Compounds · Compound Libraries

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