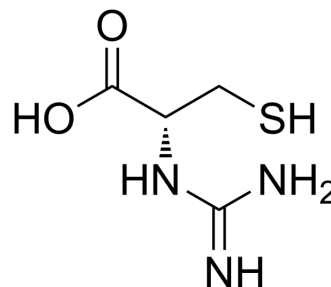


IQB-782

Cat. No.:	HY-105940
CAS No.:	40454-21-5
Molecular Formula:	C ₄ H ₉ N ₃ O ₂ S
Molecular Weight:	163.2
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	IQB-782 is a cysteine derivative. IQB-782 has inhibition for thrombin activatable fibrinolysis inhibitor (TAFI), with an K _i (app) of 0.14 μM. IQB-782 shows a potent mucolytic-expectorant activity ^{[1][2]} .
IC ₅₀ & Target	K _i (app): 0.14 μM (TAFI) ^[1]
In Vitro	IQB-782 inhibits TAFI related carboxypeptidases with IC ₅₀ s of 49 μM and 12 μM for CPN and CPB, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [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.

Caution: Product has not been fully validated for medical applications. For research use only.

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