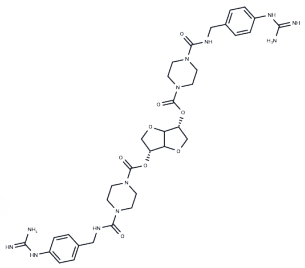
Data Sheet (Cat.No.T40195)

TargetMol

CRA-2059

Chemical Properties



CAS No. : 256649-36-2

Formula: C34H46N12O8

Molecular Weight: 750.82

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	CRA-2059 is a selective and reversible inhibitor of human tryptase beta, exhibiting a Ki value of 620 pM against recombinant human tryptase beta (rHTβ).
Targets(IC50)	Serine/threonin kinase
In vitro	The properties of the CRA-2059:HTbeta interaction were defined in this study. Tight-binding reversible inhibition was observed with an inhibition constant (Ki) of 620 pM, an association rate constant of 7x10(7) M(-1) s(-1) and a relatively slow dissociation rate constant of 0.04 s(-1) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3319 mL	6.6594 mL	13.3188 mL
5 mM	0.2664 mL	1.3319 mL	2.6638 mL
10 mM	0.1332 mL	0.6659 mL	1.3319 mL
50 mM	0.0266 mL	0.1332 mL	0.2664 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tremaine WJ, et al. Treatment of mildly to moderately active ulcerative colitis with a tryptase inhibitor (APC 2059): an open-label pilot study. Aliment Pharmacol Ther. 2002;16(3):407-413.
Selwood T, et al. Potent bivalent inhibition of human tryptase-beta by a synthetic inhibitor. Biol Chem. 2003;384 (12):1605-1611.

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