

CAY10462

Chemical Properties

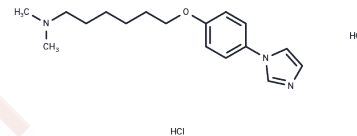
CAS No. : 502656-68-0

Formula: C₁₇H₂₇Cl₂N₃O

Molecular Weight: 360.32

Storage: 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	CAY10462 (CTK8E8405) is an effective and selective inhibitor of the 20-HETE synthase CYP4A11 with an IC ₅₀ of 8.8 nM. CAY10462 exhibits nearly 200 times less potent for 1A, 1C, and 3A CYP450 enzymes.
Targets(IC ₅₀)	Cytochromes P450

Solubility Information

Solubility	DMSO: 12 mg/mL (33.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7753 mL	13.8766 mL	27.7531 mL
5 mM	0.5551 mL	2.7753 mL	5.5506 mL
10 mM	0.2775 mL	1.3877 mL	2.7753 mL
50 mM	0.0555 mL	0.2775 mL	0.5551 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

Nakamura T, et al. Imidazole derivatives as new potent and selective 20-HETE synthase inhibitors. Bioorg Med Chem Lett. 2004 Jan 19;14(2):333-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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