

CAY10434

## Chemical Properties

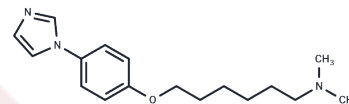
CAS No. : 769917-29-5

Formula: C17H25N3O

Molecular Weight: 287.4

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CAY10434 is an active inhibitor of CYP4A hydroxylase with an IC50 value of 8.8 nM in human kidney microsomal test. The maximum contractile value (Emax) of CAY 10434 was 6764 mg in improving the contractile process of angiotensin II.
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Targets(IC50)	Cytochromes P450
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## Solubility Information

Solubility	DMF: 18 mg/mL (62.63 mM),Sonication is recommended. DMSO: 10.8 mg/mL (37.58 mM),Sonication is recommended. DMf:PBS (pH 7.2)(1:3): 0.2 mg/mL (0.7 mM),Sonication is recommended. Ethanol: 13.5 mg/mL (46.97 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	3.4795 mL	17.3974 mL	34.7947 mL
5 mM	0.6959 mL	3.4795 mL	6.9589 mL
10 mM	0.3479 mL	1.7397 mL	3.4795 mL
50 mM	0.0696 mL	0.3479 mL	0.6959 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

Jerez S, Sierra L, de Bruno MP. 17-Octadecynoic acid improves contractile response to angiotensin II by releasing vasoconstrictor prostaglandins. Prostaglandins Other Lipid Mediat. 2012;97(1-2):36-42.

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