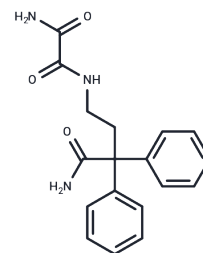


Imidafenacin Metabolite M4

Chemical Properties

CAS No. :	503598-17-2
Formula:	C18H19N3O3
Molecular Weight:	325.368
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	Imidafenacin metabolite M4 is a metabolite of the muscarinic acetylcholine receptor antagonist imidafenacin. It is formed from imidafenacin by the cytochrome P450 (CYP) isoform CYP3A4.
Targets(IC50)	Others,AChR

Solubility Information

Solubility	Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0734 mL	15.3671 mL	30.7342 mL
5 mM	0.6147 mL	3.0734 mL	6.1468 mL
10 mM	0.3073 mL	1.5367 mL	3.0734 mL
50 mM	0.0615 mL	0.3073 mL	0.6147 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

Kanayama, N., Kanari, C., Masuda, Y., et al. Drug-drug interactions in the metabolism of imidafenacin: Role of the human cytochrome P450 enzymes and UDP-glucuronic acid transferases, and potential of imidafenacin to inhibit human cytochrome P450 enzymes *Xenobiotica* 37(2)139-154(2007)

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