

ITH15004 biochemical

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CATALOG #
AAA227280

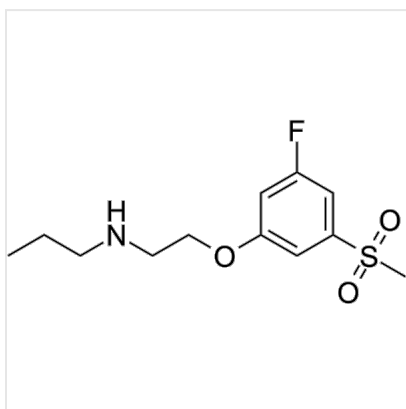
PRODUCT SYNONYMS

ITH15004; IRL790; ITH15004 biochemical

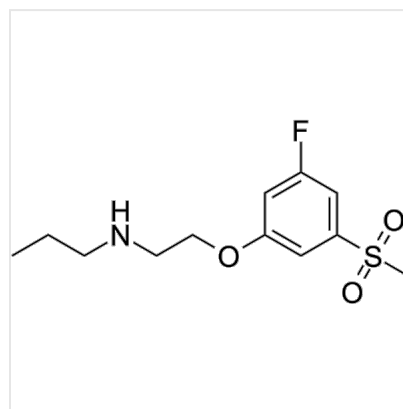
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMF:PBS (pH 7.2)(1:3): 0.25 mg/mL
	DMSO: 10 mg/mL
	DMF: 20 mg/mL
	<1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Mesdopetam, CAS 1403894-72-3



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ADDITIONAL INFORMATION

Related Product Information for ITH15004 biochemical	ITH15004 is a non-nucleotide antagonist of the purinergic P2X7receptor (IC50= 9 uM in HEK293 cells expressing the human receptor). It inhibits ATP-induced currents inX. laevis oocytes expressing the human P2X7receptor when used at a concentration of 100 uM. ITH15004 (1 uM) decreases IL-1beta release from LPS-primed, ATP-stimulated isolated mouse peritoneal macrophages. It has high permeability in a parallel artificial membrane permeability assay (PAMPA).
References	- Waters S, et al. Preclinical Pharmacology of [2-(3-Fluoro-5-Methanesulfonyl-phenoxy)Ethyl](Propyl)amine (IRL790), a Novel Dopamine Transmission Modulator for the Treatment of Motor and Psychiatric Complications in Parkinson Disease. J Pharmacol Exp Ther. 2020;374(1):113-125. - Becanovic K, et al. Effects of a Novel Psychomotor Stabilizer, IRL790, on Biochemical Measures of Synaptic Markers and Neurotransmission. J Pharmacol Exp Ther. 2020;374(1):126-133.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/ith15004/227280>