# Data Sheet (Cat.No.T3483)



### **FTIDC**

## **Chemical Properties**

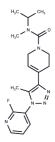
CAS No.: 873551-53-2

Formula: C18H23FN6O

Molecular Weight: 358.41

Appearance: no data available

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



## **Biological Description**

Description	FTIDC is a highly potent and selective allosteric antagonist of mGluR1 receptors and shows very weak potency against human and rat mGluR5 receptors. The inhibition of FTIDC for mGluR1 receptors is shown to be in noncompetitive manner and displays IC50 values of 5.8 and 3.1 nM for human and mouse mGluR1 expressed in CHO cells respectively.
Targets(IC50)	GluR

## **Solubility Information**

Solubility	DMSO: 35.8 mg/mL (99.89 mM),Sonication is recommended.
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	2.7901 mL	13.9505 mL	27.901 mL
5 mM	0.558 mL	2.7901 mL	5.5802 mL
10 mM	0.279 mL	1.3951 mL	2.7901 mL
50 mM	0.0558 mL	0.279 mL	0.558 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.

#### Reference

Ito S, et al. Discovery and biological profile of 4-(1-aryltriazol-4-yl)-tetrahydropyridines as an orally active new class of metabotropic glutamate receptor 1 antagonist. Bioorg Med Chem. 2008 Nov 15;16(22):9817-29.

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Page 1 of 1 www.targetmol.com