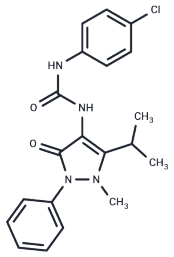
Data Sheet (Cat.No.T17005)

TargetMol
YOUR TARGET MOLECULES

FPR Agonist 43

Chemical Properties



CAS No. : 903895-98-7

Formula: C20H21ClN4O2

Molecular Weight: 384.86

Appearance: no data available

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

Biological Description

Description	FPR Agonist 43 is a dual agonist of formyl peptide receptor 1 and formyl peptide receptor 2 (FPR2)/ALX.
Targets(IC50)	Others
In vitro	FPR Agonist 43 (10-5-107 nM) is actively potent in the cAMP assay in FPR2/ALX over-expressing CHO cells. FPR Agonist 43 is also active in the GTPγ binding assay (IC50=207±51 nM)[1]. FPR1 is the preferred receptor for FPR Agonist 43 in in both human neutrophils and possibly also in mouse cells[2].

Solubility Information

Solubility	DMSO: 34.2 mg/mL (88.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5983 mL	12.9917 mL	25.9835 mL
5 mM	0.5197 mL	2.5983 mL	5.1967 mL
10 mM	0.2598 mL	1.2992 mL	2.5983 mL
50 mM	0.052 mL	0.2598 mL	0.5197 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

Planagumà A, et al. Lack of activity of 15-epi-lipoxin A_4 on FPR2/ALX and CysLT1 receptors in interleukin-8-driven human neutrophil function. Clin Exp Immunol. 2013 Aug;173(2):298-309.

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