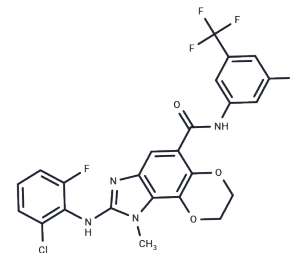


## mPGES1-IN-3

## Chemical Properties

CAS No. :	1469976-70-2
Formula:	C <sub>24</sub> H <sub>16</sub> ClF <sub>5</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	538.85
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	mPGES1-IN-3 is a potent and selective inhibitor of microsomal prostaglandin E2 synthase-1 (mPGES-1) .
Targets(IC50)	PGE Synthase,Prostaglandin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8558 mL	9.279 mL	18.558 mL
5 mM	0.3712 mL	1.8558 mL	3.7116 mL
10 mM	0.1856 mL	0.9279 mL	1.8558 mL
50 mM	0.0371 mL	0.1856 mL	0.3712 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

Muthukaman N, et al. Discovery of 2-((2-chloro-6-fluorophenyl)amino)-N-(3-fluoro-5-(trifluoromethyl)phenyl)-1-methyl-7,8-dihydro-1H-[1,4]dioxino[2',3':3,4]benzo[1,2-d]imidazole-5-carboxamide as potent, selective and efficacious microsomal prostaglandin E2 synthase-1 (mPGES-1) inhibitor. *Bioorg Med Chem Lett.* 2016 Dec 15;26 (24):5977-5984.

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