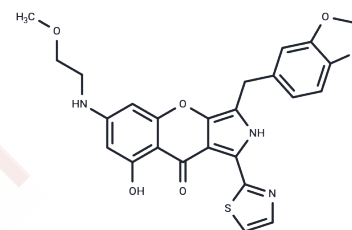


## PDE5-IN-2

## Chemical Properties

CAS No. :	2244517-61-9
Formula:	C <sub>25</sub> H <sub>21</sub> N <sub>3</sub> O <sub>6</sub> S
Molecular Weight:	491.52
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	PDE5-IN-2 is a potent, highly selective, and orally active inhibitor of PDE5 (IC <sub>50</sub> of 0.31 nM).
Targets(IC <sub>50</sub> )	PDE
In vitro	PDE5-IN-2 has at least 1000-fold selectivity over PDE1B, PDE3A, PDE7A1, PDE8A1, and PDE9A2 (IC <sub>50</sub> s, >32 000 nM)[1].
In vivo	PDE5-IN-2 shows anti-pulmonary arterial hypertension activity[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0345 mL	10.1725 mL	20.3451 mL
5 mM	0.4069 mL	2.0345 mL	4.069 mL
10 mM	0.2035 mL	1.0173 mL	2.0345 mL
50 mM	0.0407 mL	0.2035 mL	0.4069 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

Wu D, et al. Optimization of Chromeno[2,3- c]pyrrol-9(2 H)-ones as Highly Potent, Selective, and Orally Bioavailable PDE5 Inhibitors: Structure-Activity Relationship, X-ray Crystal Structure, and Pharmacodynamic Effect on Pulmonary Arterial Hypertension. J Med Chem. 2018 Sep 27;61(18):8468-8473.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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