

F092

## Chemical Properties

CAS No. : 2250261-59-5

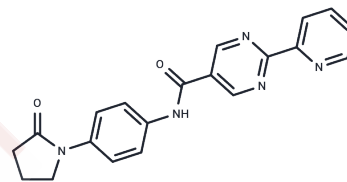
Formula: C<sub>20</sub>H<sub>17</sub>N<sub>5</sub>O<sub>2</sub>

Molecular Weight: 359.38

Keep away from direct sunlight

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	F092 is a potent inhibitor of hematopoietic prostaglandin D synthetase (H-PGDS), which can be used to study allergic inflammation and vascular-related diseases.
Targets(IC50)	PGE Synthase

## Solubility Information

Solubility	DMSO: 100 mg/mL (278.26 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7826 mL	13.9128 mL	27.8257 mL
5 mM	0.5565 mL	2.7826 mL	5.5651 mL
10 mM	0.2783 mL	1.3913 mL	2.7826 mL
50 mM	0.0557 mL	0.2783 mL	0.5565 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

Takaya D, et al. Characterization of crystal water molecules in a high-affinity inhibitor and hematopoietic prostaglandin D synthase complex by interaction energy studies[J]. Bioorganic & Medicinal Chemistry, 2018, 26 (16): 4726-4734.

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481