

## Dual FAAH/sEH-IN-1

## Chemical Properties

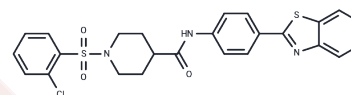
CAS No. : 2756099-59-7

Formula: C<sub>25</sub>H<sub>22</sub>ClN<sub>3</sub>O<sub>3</sub>S<sub>2</sub>

Molecular Weight: 512.04

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	Dual FAAH/sEH-IN-1 is a dual inhibitor of sEH (soluble epoxide hydrolase) (IC <sub>50</sub> : 9.6 nM) and FAAH (fatty acid amide hydrolase) (IC <sub>50</sub> : 7 nM) with high affinity and anti-inflammatory activity.
Targets(IC <sub>50</sub> )	FAAH, Epoxide Hydrolase

## Solubility Information

Solubility	DMSO: 45 mg/mL (87.88 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	1.953 mL	9.7649 mL	19.5297 mL
5 mM	0.3906 mL	1.953 mL	3.9059 mL
10 mM	0.1953 mL	0.9765 mL	1.953 mL
50 mM	0.0391 mL	0.1953 mL	0.3906 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

Wilt S, Kodani S, Valencia L, et al. Further exploration of the structure-activity relationship of dual soluble epoxide hydrolase/fatty acid amide hydrolase inhibitors. *Bioorg Med Chem.* 2021;51:116507.

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