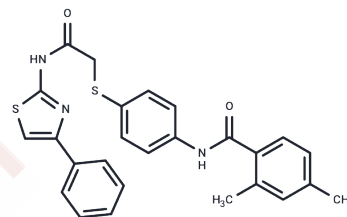


## Fluc-IN-1

## Chemical Properties

CAS No. :	2940242-10-2
Formula:	C <sub>26</sub> H <sub>23</sub> N <sub>3</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	473.61
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Fluc-IN-1 is a potent inhibitor of firefly luciferase (Fluc) (IC <sub>50</sub> = 25 nM) and further inhibits WNT/β-catenin through Fluc (IC <sub>50</sub> ≈ 30 nM) without acting through Frizzled 7 or the WNT/β-catenin signaling amplifier.
Targets(IC <sub>50</sub> )	Others,Wnt/beta-catenin

## Solubility Information

Solubility	DMSO: 100 mg/mL (211.14 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	2.1114 mL	10.5572 mL	21.1144 mL
5 mM	0.4223 mL	2.1114 mL	4.2229 mL
10 mM	0.2111 mL	1.0557 mL	2.1114 mL
50 mM	0.0422 mL	0.2111 mL	0.4223 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

Kinsolving J, et al., A Putative Frizzled 7-Targeting Compound Acts as a Firefly Luciferase Inhibitor. J Med Chem. 2024 Dec 26;67(24):22332-22341.

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