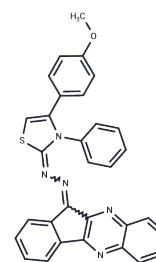


## Apoptotic agent-3

## Chemical Properties

CAS No. :	2482310-23-4
Formula:	C <sub>31</sub> H <sub>21</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	511.6
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	Apoptotic agent-3 is an apoptosis inducer that triggers cell death via Caspase-3/7 activation, exhibiting potent antitumor proliferative activity.
Targets(IC50)	Caspase
In vitro	Apoptotic agent-3 shows anti-proliferative activity against HepG-2 (IC50=1.46 μM) [1]. It increases Bax/Bcl-2 ratio and activates Caspase-3, inducing cell cycle arrest at G2/M phase [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9547 mL	9.7733 mL	19.5465 mL
5 mM	0.3909 mL	1.9547 mL	3.9093 mL
10 mM	0.1955 mL	0.9773 mL	1.9547 mL
50 mM	0.0391 mL	0.1955 mL	0.3909 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

Fayed EA, et al. In vitro cytotoxic activity of thiazole-indenoquinoline hybrids as apoptotic agents, design, synthesis, physicochemical and pharmacokinetic studies. Bioorg Chem. 2020 Jul;100:103951.

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