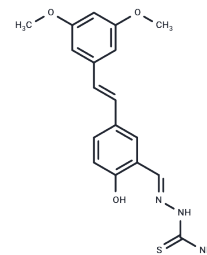


## Pterostilbene-isothiocyanate

## Chemical Properties

CAS No. :	1616974-29-8
Formula:	C <sub>18</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	357.43
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	Pterostilbene-isothiocyanate is a pterostilbene derivative and Wnt/ $\beta$ -catenin pathway inhibitor. It disrupts $\beta$ -catenin/TCF-4 interaction to inhibit tumor growth and migration.
Targets(IC50)	Wnt/beta-catenin
In vitro	Pterostilbene-isothiocyanate disrupted nuclear $\beta$ -catenin/TCF-4 in MG-63 cells; downregulated c-Myc and Cyclin D1; induced G2/M arrest and Caspase-3 apoptosis[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7978 mL	13.9888 mL	27.9775 mL
5 mM	0.5596 mL	2.7978 mL	5.5955 mL
10 mM	0.2798 mL	1.3989 mL	2.7978 mL
50 mM	0.056 mL	0.2798 mL	0.5596 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

Starling S. New anti-osteoporosis drug target identified[[]]. Nature Reviews Endocrinology, 2021, 17(1): 4-5.

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