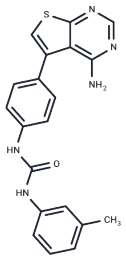
Data Sheet (Cat.No.T11383)

TargetMol

GDP366

Chemical Properties



CAS No. : 501698-03-9

Formula: C20H17N5OS

Molecular Weight: 375.45

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	GDP366, a dual inhibitor of survivin and Op18, induces cell growth inhibition, cellular senescence, and mitotic catastrophe in human cancer cells.
Targets(IC50)	Survivin
In vitro	GDP366 induces polyploidy in multiple types of cancer cell lines. GDP366 decreass both the mRNA and protein levels of survivin and Op18. This inhibitory effect is not dependent on the status of p53 and p21 although GDP366 potently increases p53 and p21 levels. GDP366 significantly inhibits the growth of tumor cells in vitro and in vivo (nude mouse model) without rapid induction of apoptosis[1].

Solubility Information

Solubility	DMSO: 60 mg/mL (159.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6635 mL	13.3174 mL	26.6347 mL
5 mM	0.5327 mL	2.6635 mL	5.3269 mL
10 mM	0.2663 mL	1.3317 mL	2.6635 mL
50 mM	0.0533 mL	0.2663 mL	0.5327 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.

Reference

Shi X, et al. GDP366, a novel small molecule dual inhibitor of survivin and Op18, induces cell growth inhibition, cellular senescence and mitotic catastrophe in human cancer cells. Cancer Biol Ther. 2010 Apr 15;9(8):640-50.

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