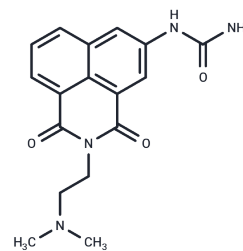


UNBS5162

Chemical Properties

CAS No. : 956590-23-1
 Formula: C₁₇H₁₈N₄O₃
 Molecular Weight: 326.35
 Storage: Store under nitrogen
 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	UNBS5162 (UNBS-5162) is a novel naphthalimide that decreases CXCL chemokine expression in experimental prostate cancers.
Targets(IC50)	Autophagy, CXCR

Solubility Information

Solubility	DMSO: 11 mg/mL (33.71 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	3.0642 mL	15.321 mL	30.6419 mL
5 mM	0.6128 mL	3.0642 mL	6.1284 mL
10 mM	0.3064 mL	1.5321 mL	3.0642 mL
50 mM	0.0613 mL	0.3064 mL	0.6128 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

Mijatovic T, et al. Neoplasia. 2008 Jun;10(6):573-86.

Wang X, Zhang M, Xu J, et al. A novel approach for target deconvolution from phenotype-based screening using knowledge graph. Scientific Reports. 2025, 15(1): 2414.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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