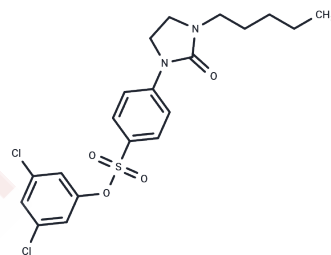


## PAIB-SOs-12

## Chemical Properties

CAS No. :	1422528-30-0
Formula:	C <sub>20</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	457.37
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	PAIB-SOs-12 is an anti-mitotic compound that shows anti-proliferative activity at low concentrations and induces cytoskeletal damage in MCF7 cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1864 mL	10.9321 mL	21.8641 mL
5 mM	0.4373 mL	2.1864 mL	4.3728 mL
10 mM	0.2186 mL	1.0932 mL	2.1864 mL
50 mM	0.0437 mL	0.2186 mL	0.4373 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

Chavez Alvarez, et al. Homologation of the Alkyl Side Chain of Antimitotic Phenyl 4-(2-Oxo-3-alkylimidazolidin-1-yl) benzenesulfonate Prodrugs Selectively Targeting CYP1A1-Expressing Breast Cancers Improves Their Stability in Rodent Liver Microsomes. *Journal of Medicinal Chemistry* 66.4 (2023): 2477-2497.

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