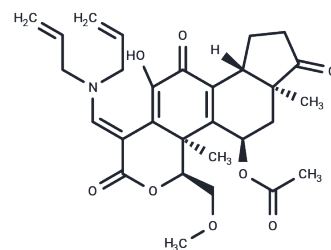


Sonolisib

Chemical Properties

CAS No. :	502632-66-8
Formula:	C ₂₉ H ₃₅ N ₀ O ₈
Molecular Weight:	525.59
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sonolisib is an irreversible and pan-isoform inhibitor of PI3K (IC ₅₀ =0.1 nM (p110α), 1.0 nM (p120γ), 2.9 nM (p110δ)).
Targets(IC ₅₀)	PI3K
In vitro	Sonolisib inhibits the production of the secondary messenger phosphatidylinositol-3,4,5-trisphosphate and activation of the PI3K/Akt signaling pathway. It may cause inhibition of tumor cell growth and survival in susceptible tumor cell populations [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9026 mL	9.5131 mL	19.0262 mL
5 mM	0.3805 mL	1.9026 mL	3.8052 mL
10 mM	0.1903 mL	0.9513 mL	1.9026 mL
50 mM	0.0381 mL	0.1903 mL	0.3805 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

Ihle NT, et al. The phosphatidylinositol-3-kinase inhibitor PX-866 overcomes resistance to the epidermal growthfactor receptor inhibitor gefitinib in A-549 human non-small cell lung cancer xenografts. Mol Cancer Ther.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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