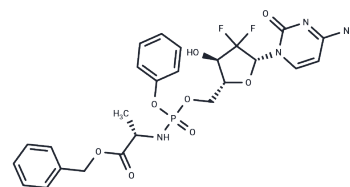


Acelarin

Chemical Properties

CAS No. :	840506-29-8
Formula:	C ₂₅ H ₂₇ F ₂ N ₄ O ₈ P
Molecular Weight:	580.47
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Acelarin (NUC-1031) (NUC-1031) is a ProTide enhancement and transformation of the nucleoside analog, gemcitabine.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 55 mg/mL (94.75 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7227 mL	8.6137 mL	17.2274 mL
5 mM	0.3445 mL	1.7227 mL	3.4455 mL
10 mM	0.1723 mL	0.8614 mL	1.7227 mL
50 mM	0.0345 mL	0.1723 mL	0.3445 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

Slusarczyk M, et al. Application of ProTide technology to gemcitabine: a successful approach to overcome the key cancer resistance mechanisms leads to a new agent (NUC-1031) in Clinical development. J Med Chem. 2014 Feb

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