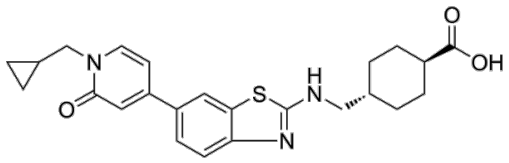
Product Data Sheet

Product Name: PI4K-IN-1
Cat. No.: GC72785

Chemical Properties

Cas. No.	1800017-49-5		
Formula	$C_{24}H_{27}N_3O_3S$	M.Wt	437.55
Solubility	DMSO : 125 mg/mL (285.68 mM; Need ultrasonic)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

PI4K-IN-1 (compound 44) is a potent PI4KIII inhibitor, with pIC50 values of 9.0 and 6.6 for PI4KIIIα and PI4KIIIβ, respectively. PI4K-IN-1 also inhibits PI3Kα/β/γ/δ, with pIC50 values of

4.0/<3.7/5.0/<4.1, respectively.

References:

[1]. Raubo P, et al. Discovery of potent, selective small molecule inhibitors of α-subtype of type III phosphatidylinositol-4-kinase (PI4KIIIα). Bioorg Med Chem Lett. 2015 Aug 15;25(16):3189-93.

Caution: Product has not been fully validated for medical applications. For research use only.
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