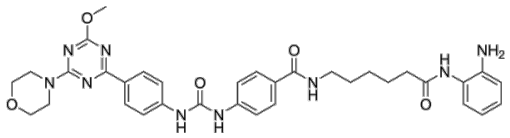
Product Data Sheet

Product Name: PH14
Cat. No.: GC73268

Chemical Properties

Cas. No.			
Formula	$C_{34}H_{39}N_9O_5$	M.Wt	653.73
Solubility	DMSO : 50 mg/mL (76.48 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

PH14 is a dual PI3K/HDAC inhibitor with IC50 values of 20.3 nM and 24.5 nM for PI3Kα and HDAC3, respectively. PH14 has antiproliferative activity and also induces apoptosis in Jeko-1 cells. PH14 can be used in cancer research, such as lymphoma.

References:

[1]. Deng J, et al. Discovery of benzamide-based PI3K/HDAC dual inhibitors with marked pro-apoptosis activity in lymphoma cells. Eur J Med Chem. 2023 Nov 3;262:115915.

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