

CRT5

## Chemical Properties

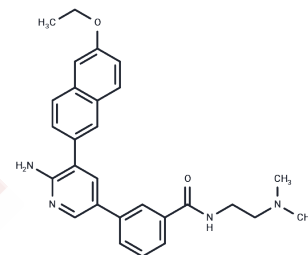
CAS No. : 1034297-58-9

Formula: C<sub>28</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight: 454.56

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	CRT5, a pyrazine benzamide, is a potent and selective PKD inhibitor. It inhibits VEGF-induced phosphorylation of three PKD substrates (IC <sub>50</sub> s = 1, 2, and 1.5 nM for PKD1, PKD2, and PKD3, respectively), histone deacetylase 5, CREB (cAMP-response-element-binding protein), and HSP27 (heat-shock protein 27) at Ser82. Additionally, CRT5 decreases VEGF-induced endothelial migration, proliferation, and tubulogenesis[1].
Targets(IC50)	Others,Serine/threonin kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1999 mL	10.9996 mL	21.9993 mL
5 mM	0.440 mL	2.1999 mL	4.3999 mL
10 mM	0.220 mL	1.100 mL	2.1999 mL
50 mM	0.044 mL	0.220 mL	0.440 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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