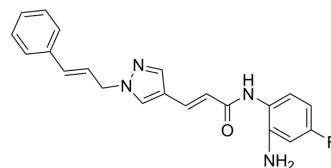


(E,E)-RGFP966

Cat. No.:	HY-W019710
CAS No.:	1396841-57-8
Molecular Formula:	C ₂₁ H ₁₉ FN ₄ O
Molecular Weight:	362.4
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (275.94 mM; Need ultrasonic)																													
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Concentration</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>2.7594 mL</td> <td>13.7969 mL</td> <td>27.5938 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>0.5519 mL</td> <td>2.7594 mL</td> <td>5.5188 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>0.2759 mL</td> <td>1.3797 mL</td> <td>2.7594 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration					1 mM		2.7594 mL	13.7969 mL	27.5938 mL	5 mM		0.5519 mL	2.7594 mL	5.5188 mL	10 mM		0.2759 mL	1.3797 mL	2.7594 mL			
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Please refer to the solubility information to select the appropriate solvent.																														
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.90 mM); Clear solution																													

BIOLOGICAL ACTIVITY

Description	(E,E)-RGFP966 is a selective and CNS permeable HDAC3 inhibitor that can be used for the research of Huntington's disease ^[1] .
IC ₅₀ & Target	HDAC3 ^[1]

REFERENCES

[1]. Jia H, et al. The Effects of Pharmacological Inhibition of Histone Deacetylase 3 (HDAC3) in Huntington's Disease Mice. PLoS One. 2016 Mar 31;11(3):e0152498.

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

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