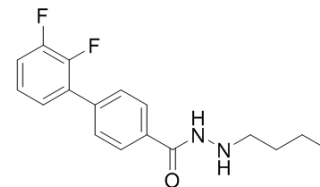


SR-4370

Cat. No.:	HY-111400		
CAS No.:	1816294-67-3		
Molecular Formula:	C ₁₇ H ₁₈ F ₂ N ₂ O		
Molecular Weight:	304.33		
Target:	HDAC		
Pathway:	Cell Cycle/DNA Damage; Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 150 mg/mL (492.89 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		3.2859 mL	16.4295 mL	32.8591 mL
	5 mM		0.6572 mL	3.2859 mL	6.5718 mL
	10 mM		0.3286 mL	1.6430 mL	3.2859 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SR-4370 is an inhibitor of HDAC, with IC₅₀s of 0.13 μM, 0.58 μM, 0.006 μM, 2.3 μM, and 3.4 μM for HDAC1, HDAC2, HDAC3, HDAC8, and HDAC6, respectively.

IC₅₀ & Target

HDAC3 6 nM (IC ₅₀)	HDAC1 130 nM (IC ₅₀)	HDAC2 580 nM (IC ₅₀)	HDAC8 2300 nM (IC ₅₀)
HDAC6 3400 nM (IC ₅₀)			

In Vitro

SR-4370 is an inhibitor of HDAC, with IC₅₀s of 0.13 μM, 0.58 μM, 0.006 μM, 2.3 μM, and 3.4 μM for HDAC1, HDAC2, HDAC3, HDAC8, and HDAC6, respectively. SR-4370 is cytotoxic to the breast cancer cells (MDA-MB-231), with an IC₅₀ of 12.6 μM^[1].

REFERENCES

[1]. LIAO, Daiqing, et al. HDAC INHIBITOR COMPOUNDS AND METHODS OF TREATMENT. WO 2015153516 A1.

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

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