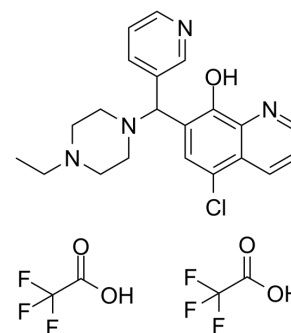


BRD 4354 ditrifluoroacetate

Cat. No.:	HY-112719B
Molecular Formula:	C ₂₅ H ₂₅ ClF ₆ N ₄ O ₅
Molecular Weight:	610.93
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (204.61 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration \ Mass	1 mg	5 mg	10 mg
		1 mM	1.6368 mL	8.1842 mL	16.3685 mL
		5 mM	0.3274 mL	1.6368 mL	3.2737 mL
		10 mM	0.1637 mL	0.8184 mL	1.6368 mL
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: ≥ 2.08 mg/mL (3.40 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.40 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.40 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BRD 4354 (ditrifluoroacetate) is a moderately potent inhibitor of HDAC5 and HDAC9, with IC ₅₀ s of 0.85 and 1.88 μM, respectively ^[1] .	
IC ₅₀ & Target	HDAC5 0.85 μM (IC ₅₀)	HDAC9 1.88 μM (IC ₅₀)

REFERENCES

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

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