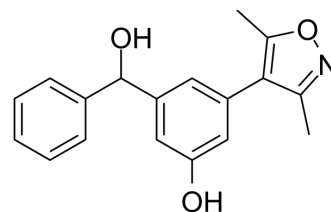


OXFBD02

Cat. No.:	HY-103297
CAS No.:	1429129-68-9
Molecular Formula:	C ₁₈ H ₁₇ NO ₃
Molecular Weight:	295.33
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	4°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 (338.60 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass		
			1 mg	5 mg	10 mg
		1 mM	3.3860 mL	16.9302 mL	33.8604 mL
		5 mM	0.6772 mL	3.3860 mL	6.7721 mL
		10 mM	0.3386 mL	1.6930 mL	3.3860 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.47 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.47 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.04 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	OXF BD 02 is a selective inhibitor of BRD4(1) (the first bromodomain of BRD4) with IC ₅₀ value of 382 nM ^[1] .
IC ₅₀ & Target	BRD4(1) 382 nM (IC ₅₀)

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA