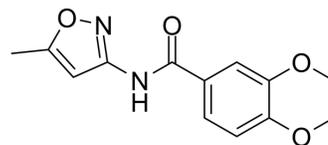


BRD4 Inhibitor-24

Cat. No.:	HY-147202
CAS No.:	309951-18-6
Molecular Formula:	C ₁₃ H ₁₄ N ₂ O ₄
Molecular Weight:	262.26
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 (381.30 mM) * "≥" means soluble, but saturation unknown.				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.8130 mL	19.0650 mL	38.1301 mL
		5 mM	0.7626 mL	3.8130 mL	7.6260 mL
		10 mM	0.3813 mL	1.9065 mL	3.8130 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.53 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BRD4 Inhibitor-24 (compound 3U) is a potent BRD4 inhibitor, BRD4 Inhibitor-24 shows antitumor activity against MCF7 and K652 cells, with IC ₅₀ values of 33.7 and 45.9 μM, respectively (extracted from patent CN107721975A) ^[1] .
IC ₅₀ & Target	BRD4

REFERENCES

[1]. Yao Zhiyi, et al. BRD4 micromolecular inhibitors, synthetic method and its application with antitumor activity. CN107721975A

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

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