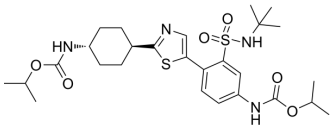
Emzadirib

Cat. No.:	HY-111887
CAS No.:	2301085-04-9
Molecular Formula:	$C_{27}H_{40}N_4O_6S_2$
Molecular Weight:	580.76
Target:	RAD51
Pathway:	Cell Cycle/DNA Damage
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 : 100 mg/mL (172.19 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7219 mL	8.6094 mL	17.2188 mL
	5 mM	0.3444 mL	1.7219 mL	3.4438 mL
	10 mM	0.1722 mL	0.8609 mL	1.7219 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 (4.30 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.30 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	Emzadirib (RAD51-IN-2) is a RAD51 inhibitor extracted from patent WO2019/051465A1[1].
IC_{50} & Target	RAD51[1]
In Vitro	Emzadirib exhibts an EC_{50} of ≤1 μM in activation-induced cytidine deaminase (AID) positive cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Alfredo C. Castro, et al. Rad51 inhibitors. WO2019/051465A1.

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