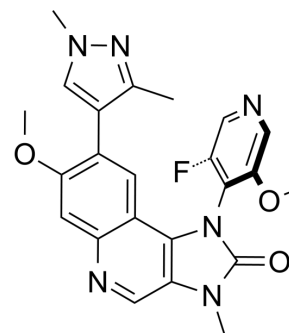


Lartesertib

Cat. No.:	HY-150617		
CAS No.:	2495096-26-7		
Molecular Formula:	C ₂₃ H ₂₁ FN ₆ O ₃		
Molecular Weight:	448.45		
Target:	ATM/ATR		
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (222.99 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	2.2299 mL	11.1495 mL
5 mM	0.4460 mL	2.2299 mL	4.4598 mL		
10 mM	0.2230 mL	1.1150 mL	2.2299 mL		

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (5.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (5.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (5.57 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Lartesertib (M4076) is a potent inhibitor of serine/threonine protein kinase ATM (extracted from patent WO2022058351A1)^[1].

IC₅₀ & Target

ATM

REFERENCES

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

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