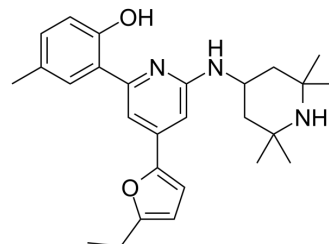


BRITE-338733

Cat. No.:	HY-112589		
CAS No.:	503105-88-2		
Molecular Formula:	C ₂₇ H ₃₅ N ₃ O ₂		
Molecular Weight:	433.59		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (23.06 mM; ultrasonic and adjust pH to 4 with HCl)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3063 mL	11.5316 mL	23.0633 mL
	5 mM	0.4613 mL	2.3063 mL	4.6127 mL
	10 mM	0.2306 mL	1.1532 mL	2.3063 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: ≥ 1 mg/mL (2.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1 mg/mL (2.31 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BRITE-338733 is a RecA ATPase inhibitor, with an IC₅₀ of 4.7 μM^[1].

IC₅₀ & Target

IC₅₀: 4.7 μM (RecA ATPase)^[1]

REFERENCES

[1]. Sexton JZ, et al. Novel Inhibitors of E. coli RecA ATPase Activity. *Curr Chem Genomics*. 2010;4:34-42. Published 2010 May 26.

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

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