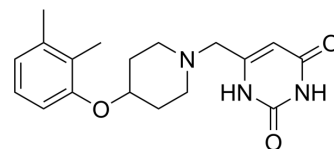


## GSK2556286

Cat. No.:	HY-147017		
CAS No.:	1210456-20-4		
Molecular Formula:	C <sub>18</sub> H <sub>23</sub> N <sub>3</sub> O <sub>3</sub>		
Molecular Weight:	329.39		
Target:	Bacterial		
Pathway:	Anti-infection		
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 : 3.33 mg/mL (10.11 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0359 mL	15.1796 mL	30.3591 mL
	5 mM	0.6072 mL	3.0359 mL	6.0718 mL
	10 mM	0.3036 mL	1.5180 mL	3.0359 mL

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

### BIOLOGICAL ACTIVITY

#### Description

GSK2556286 (GSK286) is an orally active inhibitor of *M. tuberculosis*. GSK2556286 inhibits growth within human macrophages (IC<sub>50</sub> = 0.07 μM). GSK2556286 is effective against both multidrug-resistant (MDR) or extensively drug-resistant (XDR) and agent-sensitive (DS) *M. tuberculosis*.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 0.07 μM (human macrophage)<sup>[1]</sup>

### REFERENCES

[1]. Nuernberger EL, et al. GSK2556286 Is a Novel Antitubercular Drug Candidate Effective In Vivo with the Potential To Shorten Tuberculosis Treatment. *Antimicrob Agents Chemother.* 2022 May 24:e0013222.

---

**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](mailto:tech@MedChemExpress.com)

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