# Data Sheet (Cat.No.T21023)



## Bedaquiline fumarate

Chemical Propert	ties		
CAS No. :	845533-86-0		
Formula:	C36H35BrN2O6	CH <sub>3</sub>	но
Molecular Weight:	671.59	CH <sub>3</sub> Br	
Appearance: 🦲	no data available		он
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	CH3	

<b>Biological Descriptio</b>	n
Description	Bedaquiline fumarate (TMC207), a diarylquinoline antibiotic that targets ATP synthase, is effective for the treatment of Mycobacterium tuberculosis infections. It blocks the proton pump for ATP synthase of mycobacteria. It is the first member of a new class of drugs called diarylquinolines.
Targets(IC50)	Antibacterial,Antibiotic

Solubility Information	
Solubility	DMSO: 27.5 mg/mL (40.95 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.489 mL	7.445 mL	14.890 mL
5 mM	0.2978 mL	1.489 mL	2.978 mL
10 mM	0.1489 mL	0.7445 mL	1.489 mL
50 mM	0.0298 mL	0.1489 mL	0.2978 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

### Reference

Hafkin J, Hittel N, Martin A, Gupta R. Compassionate Use of Delamanid in Combination with Bedaquiline for the Treatment of MDR-TB. Eur Respir J. 2018 Oct 25. pii: 1801154. doi: 10.1183/13993003.01154-2018. [Epub ahead of

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