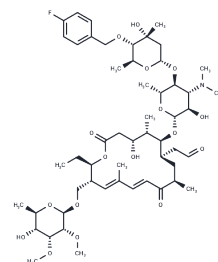


ABBV-4083

Chemical Properties

CAS No. : 1809266-03-2
 Formula: C53H82FN017
 Molecular Weight: 1024.21
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	ABBV-4083 is a Tylosin A analog that has potent anti-Wolbachia and anti-filarial activity.
Targets(IC50)	Others
In vivo	ABBV-4083 (150 mg/kg, once daily for 14 days) reduces Wolbachia levels (measured 16 weeks post-treatment-initiation, pti) in mice by >99.9% in the recovered female adult worms. Levels of circulating microfilariae declines from ~7 weeks pti and are completely cleared from 12 weeks pti until the end of this study at 16 weeks pti.
Animal Research	Animal Model: Female BALB/c mice or female jirds were infected at 6–8 weeks of age with <i>L. sigmodontis</i> larvae through the bites of <i>Ornithonyssus bacoti</i> mites. Dosage: 150 mg/kg. Administration: PO once daily for 14 days started at 14 weeks post-infection (pti).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9764 mL	4.8818 mL	9.7636 mL
5 mM	0.1953 mL	0.9764 mL	1.9527 mL
10 mM	0.0976 mL	0.4882 mL	0.9764 mL
50 mM	0.0195 mL	0.0976 mL	0.1953 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

von Geldern TW, et al. Discovery of ABBV-4083, a novel analog of Tylosin A that has potent anti-Wolbachia and anti-filarial activity. PLoS Negl Trop Dis. 2019 Feb 28;13(2):e0007159.

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