

Reltecimod TFA

Chemical Properties

CAS No. :

Formula: C48H73F3N10O17S

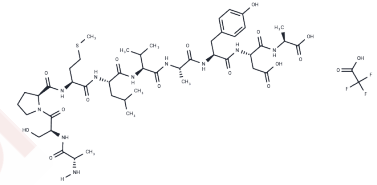
Molecular Weight: 1151.21

Storage:

Keep away from moisture, Keep away from direct sunlight

Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Reltecimod TFA (AB-103 TFA) is a CD28 (T-lymphocyte receptor) mimetic that acts as a CD28 antagonist, inhibiting the stimulation of t-cells by a range of bacterial pathogens thereby attenuating acute inflammation for the treatment of necrotizing soft tissue infections (NSTI).
Targets(IC50)	Antibacterial, Immunology/Inflammation related
In vivo	Reltecimod TFA, administered intravenously at dosages ranging from 1.25 to 5 mg/kg, has been shown to enhance survival rates in mice infected with various bacteria [1].

Solubility Information

Solubility	H2O: < 0.1 mg/mL (insoluble) DMSO: 80 mg/mL (69.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8687 mL	4.3433 mL	8.6865 mL
5 mM	0.1737 mL	0.8687 mL	1.7373 mL
10 mM	0.0869 mL	0.4343 mL	0.8687 mL
50 mM	0.0174 mL	0.0869 mL	0.1737 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Edgar, R., Tarrío, M.L., Maislin, G. et al. Treatment with One Dose of Reltecimod is Superior to Two Doses in Mouse Models of Lethal Infection. *Int J Pept Res Ther* 26, 1669-1683 (2020).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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