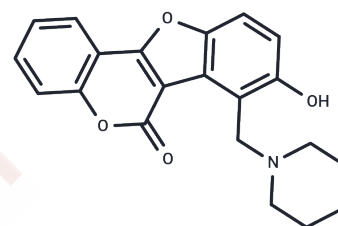


## Polyketide synthase 13-IN-3

## Chemical Properties

CAS No. :	2221801-50-7
Formula:	C <sub>21</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	349.386
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Polyketide synthase 13-IN-3 (compound 41) is a potent inhibitor of polyketide synthase 13, with a minimum inhibitory concentration (MIC) range of 0.0625-0.125 µg/mL against the M. tuberculosis strain H37Rv.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8621 mL	14.3107 mL	28.6213 mL
5 mM	0.5724 mL	2.8621 mL	5.7243 mL
10 mM	0.2862 mL	1.4311 mL	2.8621 mL
50 mM	0.0572 mL	0.2862 mL	0.5724 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

Wei Zhang, et al. Identification of Novel Coumestan Derivatives as Polyketide Synthase 13 Inhibitors against Mycobacterium tuberculosis. Part II. J Med Chem. 2019 Apr 11;62(7):3575-3589.

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