

LysRs-IN-3

Chemical Properties

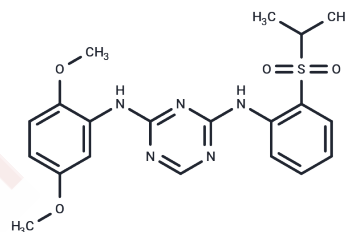
CAS No. : 2841466-02-0

Formula: C₂₀H₂₃N₅O₄S

Molecular Weight: 429.49

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	LysRs-IN-3 (compound 36), a lysine tRNA synthetase inhibitor based on ASP3026, demonstrates over seven times greater efficacy in inhibiting the growth of Plasmodium, particularly the lethal strain, compared to ASP3026 alone. LysRs-IN-3 can be used for novel antimalarial research.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3283 mL	11.6417 mL	23.2834 mL
5 mM	0.4657 mL	2.3283 mL	4.6567 mL
10 mM	0.2328 mL	1.1642 mL	2.3283 mL
50 mM	0.0466 mL	0.2328 mL	0.4657 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481