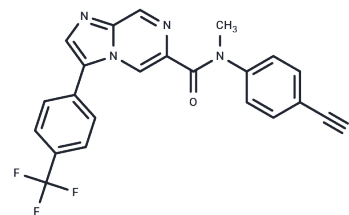


KAI-407

Chemical Properties

CAS No. : 1513879-18-9
Formula: C₂₂H₁₄F₃N₅O
Molecular Weight: 421.37
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	KAI407 is a potent non-8-aminoquinoline compound that kills Plasmodium cynomolgi early dormant liver stage parasites in vitro. KAI407 showed an activity profile similar to that of primaquine (PQ), efficiently killing the earliest stages of the parasites that become either primary hepatic schizonts or hypnozoites (50% inhibitory concentration [IC ₅₀] for hypnozoites, KAI407, 0.69 µM, and PQ, 0.84 µM; for developing liver stages, KAI407, 0.64 µM, and PQ, 0.37 µM). KAI407 may represent a new compound class for P. vivax malaria prophylaxis and potentially a radical cure.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3732 mL	11.8661 mL	23.7321 mL
5 mM	0.4746 mL	2.3732 mL	4.7464 mL
10 mM	0.2373 mL	1.1866 mL	2.3732 mL
50 mM	0.0475 mL	0.2373 mL	0.4746 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481