

Lumefantrine-D9

Chemical Properties

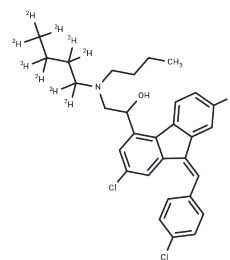
CAS No. :

Formula: C₃₀H₂₃D₉Cl₃NO

Molecular Weight: 538

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

Lumefantrine-D9 is a deuterated compound of Lumefantrine. Lumefantrine (T3266) has a CAS number of 82186-77-4. Lumefantrine (T3266) is an antimalarial agent used to treat acute uncomplicated malaria. It is administered in combination with artemether for improved efficacy. This combination therapy exerts its effects against the erythrocytic stages of Plasmodium spp. and may be used to treat infections caused by P. falciparum and unidentified Plasmodium species, including infections acquired in chloroquine-resistant areas.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8587 mL	9.2937 mL	18.5874 mL
5 mM	0.3717 mL	1.8587 mL	3.7175 mL
10 mM	0.1859 mL	0.9294 mL	1.8587 mL
50 mM	0.0372 mL	0.1859 mL	0.3717 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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