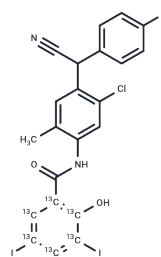


Closantel-13C6

Chemical Properties

CAS No. :	1325559-20-3
Formula:	C ₂₂ H ₁₄ Cl ₂ N ₂ O ₂
Molecular Weight:	669.03
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	Closantel-13C6 is the 13C6-labeled version of Closantel. Closantel (T0237) is a halogenated salicylanilide with potent antiparasitic properties. It serves as an effective and highly specific inhibitor of the chitinase enzyme (OvCHT1) from <i>Onchocerca volvulus</i> , showing an IC ₅₀ of 1.6 μM and a K _i of 468 nM. Closantel (T0237) also inhibits the molting of <i>Haemonchus contortus</i> from the L3 to L4 stage.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4947 mL	7.4735 mL	14.947 mL
5 mM	0.2989 mL	1.4947 mL	2.9894 mL
10 mM	0.1495 mL	0.7474 mL	1.4947 mL
50 mM	0.0299 mL	0.1495 mL	0.2989 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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