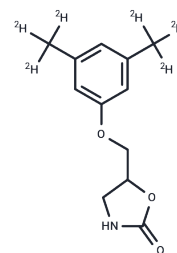


Metaxalone-D6

Chemical Properties

CAS No. :	1189944-95-3
Formula:	C ₁₂ H ₉ D ₆ NO ₃
Molecular Weight:	227.29
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	Metaxalone-D6 is intended for use as an internal standard for the quantification of metaxalone by GC-or LC-MS. Metaxalone (T1610) is a skeletal muscle relaxant. It inhibits the proliferation of, and induces apoptosis in, RAW 264.7 cells in vitro when used at concentrations ranging from 1 to 100 μM. Metaxalone (T1610) also reduces LPS-induced increases in COX-1, COX-2, and NF-κB levels and inhibits LPS-induced production of TNF-α, IL-6, and prostaglandin E2 in RAW 264.7 cells. Formulations containing metaxalone have been used in the treatment of lower back pain.
Targets(IC50)	NF-κB

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3997 mL	21.9983 mL	43.9967 mL
5 mM	0.8799 mL	4.3997 mL	8.7993 mL
10 mM	0.440 mL	2.1998 mL	4.3997 mL
50 mM	0.088 mL	0.440 mL	0.8799 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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