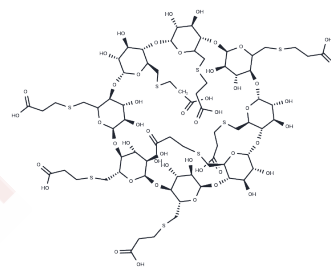


Sugammadex

Chemical Properties

CAS No. :	343306-71-8
Formula:	C72H112O48S8
Molecular Weight:	2002.15
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	Sugammadex is an agent for reversal of neuromuscular blockade by the agent rocuronium in general anaesthesia. It is the first selective relaxant binding agent (SRBA). Sugammadex is a modified γ -cyclodextrin, with a lipophilic core and a hydrophilic periphery. This gamma cyclodextrin has been modified from its natural state by placing eight carboxyl thio ether groups at the sixth carbon positions. These extensions extend the cavity size allowing greater encapsulation of the rocuronium molecule. These negatively charged extensions electrostatically bind to the quaternary nitrogen of the target as well as contribute to the aqueous nature of the cyclodextrin.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4995 mL	2.4973 mL	4.9946 mL
5 mM	0.0999 mL	0.4995 mL	0.9989 mL
10 mM	0.0499 mL	0.2497 mL	0.4995 mL
50 mM	0.010 mL	0.0499 mL	0.0999 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.

Reference

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