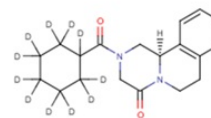


## (R)-Praziquantel D11

## Chemical Properties

CAS No.:	1399880-38-6
Formula:	C <sub>19</sub> H <sub>13</sub> D <sub>11</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	323.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	(R)-Praziquantel D11 is the deuterium labeled (R)-Praziquantel. (R)-Praziquantel is the active enantiomer of Praziquantel, is a partial the human 5-HT <sub>2B</sub> receptor agonist
Targets(IC <sub>50</sub> )	5-HT <sub>2B</sub> Receptor: None
In vitro	(R)-Praziquantel modulation of serotonergic signaling occurs over a concentration range sufficient to regulate vascular tone of the mesenteric blood vessels where the adult parasites reside within their host. The important anthelmintic is supported by a broad, cross species polypharmacology with (R)-Praziquantel modulating signaling events in both host and parasite.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.091 mL	15.457 mL	30.915 mL
5 mM	0.618 mL	3.091 mL	6.183 mL
10 mM	0.309 mL	1.546 mL	3.091 mL
50 mM	0.062 mL	0.309 mL	0.618 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Chan JD, et al. The anthelmintic praziquantel is a human serotonergic G-protein-coupled receptor ligand. Nat Commun. 2017 Dec 5;8(1):1910.

Inhibitors · Natural Compounds · Compound Libraries

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