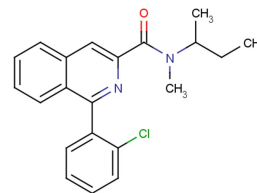


PK 11195

**Chemical Properties**

CAS No.:	85532-75-8
Formula:	C <sub>21</sub> H <sub>21</sub> ClN <sub>2</sub> O
Molecular Weight:	352.86
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	PK 11195 is a ligand of translocator protein. It targets Leishmania chemotherapy (IC <sub>50</sub> s of 14.2 μM, 8.2 μM, 3.5 μM for <i>L. amazonensis</i> , <i>L. major</i> and <i>L. braziliensis</i> , respectively).
Targets(IC <sub>50</sub> )	<i>L. amazonensis</i> : 14.2 μM <i>L. major</i> : 8.2 μM <i>L. braziliensis</i> : 3.5 μM
In vitro	The selective index value for <i>L. amazonensis</i> is 13.7, indicating the safety of PK 11195 for future testing in mammals. Time- and dose-dependent reductions in the percentage of infected macrophages, the number of parasites per infected macrophage, and the number of viable intracellular parasites are observed. MCP-1 and superoxide levels are reduced in <i>L. amazonensis</i> -infected macrophages treated with PK 11195[1].

**Solubility Information**

Solubility	DMSO: 62.5 mg/mL (177.12 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.834 mL	14.17 mL	28.34 mL
5 mM	0.567 mL	2.834 mL	5.668 mL
10 mM	0.283 mL	1.417 mL	2.834 mL
50 mM	0.057 mL	0.283 mL	0.567 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. Guedes CES, et al. In vitro evaluation of the anti-leishmanial activity and toxicity of PK-11195. Mem Inst Oswaldo Cruz. 2018 Feb 5;113(4):e170345.

Inhibitors · Natural Compounds · Compound Libraries

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