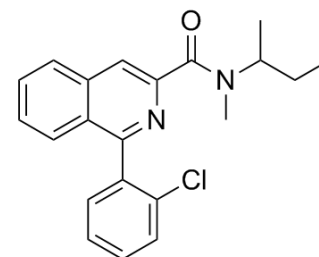


## PK-11195

Cat. No.:	HY-19567
CAS No.:	85532-75-8
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> ClN <sub>2</sub> O
Molecular Weight:	352.86
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PK-11195 is a ligand of <b>translocator protein (TSPO)</b> , which targets Leishmania chemotherapy, with 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.
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 14.2 μM ( <i>L. amazonensis</i> ), 8.2 μM ( <i>L. major</i> ), 3.5 μM ( <i>L. braziliensis</i> ) <sup>[1]</sup>
<b>In Vitro</b>	Median IC <sub>50</sub> values for PK-11195 are 14.2 μM for <i>L. amazonensis</i> , 8.2 μM for <i>L. major</i> , and 3.5 μM for <i>L. braziliensis</i> . 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. Electron microscopy reveals some morphological alterations suggestive of autophagy. Interestingly, MCP-1 and superoxide levels are reduced in <i>L. amazonensis</i> -infected macrophages treated with PK-11195 <sup>[1]</sup> .

### REFERENCES

[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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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