

PK 11195

Chemical Properties

CAS No. : 85532-75-8

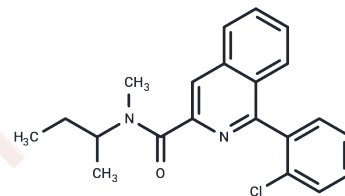
Formula: C₂₁H₂₁ClN₂O

Molecular Weight: 352.86

Store at low temperature

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	PK 11195 (RP 52028) is a TSPO ligand for neuroimaging that exhibits significant protection against CoCl ₂ -induced alterations and can be used to study leishmaniasis.
Targets(IC50)	Parasite
In vitro	PK11195 (0.2-400 μM; 48h) exhibits in vitro antileishmanial activity against Lactobacillus amazonicus.

Solubility Information

Solubility	DMSO: 35.71 mg/mL (101.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 3.57 mg/mL (10.12 mM),Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.67 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.834 mL	14.1699 mL	28.3399 mL
5 mM	0.5668 mL	2.834 mL	5.668 mL
10 mM	0.2834 mL	1.417 mL	2.834 mL
50 mM	0.0567 mL	0.2834 mL	0.5668 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

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.

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