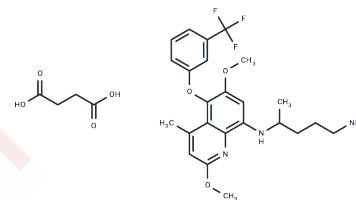


Tafenoquine Succinate

Chemical Properties

CAS No. :	106635-81-8
Formula:	C ₂₈ H ₃₄ F ₃ N ₃ O ₇
Molecular Weight:	581.58
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tafenoquine Succinate (WR 238605 (Succinate)) is an 8-aminoquinoline. and is an agent of anti-malarial prophylactic.
Targets(IC50)	Others
In vivo	When tested at two times its ED100 (6 mg/kg), Tafenoquine anti-malarial activity is partially restored in humanized/CYP 2D6 knock-in mice [1].

Solubility Information

Solubility	DMSO: 120 mg/mL (206.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7195 mL	8.5973 mL	17.1945 mL
5 mM	0.3439 mL	1.7195 mL	3.4389 mL
10 mM	0.1719 mL	0.8597 mL	1.7195 mL
50 mM	0.0344 mL	0.1719 mL	0.3439 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.

Reference

Marcisin SR, et al. Tafenoquine and NPC-1161B require CYP 2D metabolism for anti-malarial activity: implications for the 8-aminoquinoline class of anti-malarial compounds. Malar J. 2014 Jan 3;13:2.

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