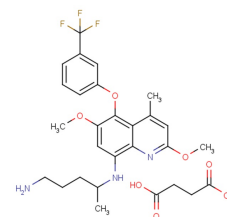


Tafenoquine Succinate

Chemical Properties

CAS No.:	106635-81-8
Formula:	C ₂₈ H ₃₄ F ₃ N ₃ O ₇
Molecular Weight:	581.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Tafenoquine Succinate is an 8-aminoquinoline. and is an agent of anti-malarial prophylactic.
Targets(IC ₅₀)	Anti-malarial: None
In vivo	Tafenoquine anti-malarial activity is partially restored in humanized/CYP 2D6 knock-in mice when tested at two times its ED100 (6 mg/kg).

Solubility Information

Solubility	DMSO: 125 mg/mL (214.93 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.719 mL	8.597 mL	17.195 mL
5 mM	0.344 mL	1.719 mL	3.439 mL
10 mM	0.172 mL	0.86 mL	1.719 mL
50 mM	0.034 mL	0.172 mL	0.344 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. 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.

Inhibitors · Natural Compounds · Compound Libraries

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