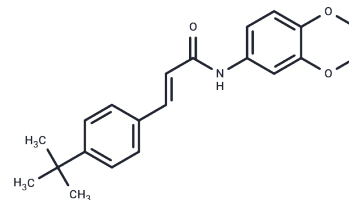


AMG9810

Chemical Properties

CAS No. :	545395-94-6
Formula:	C ₂₁ H ₂₃ NO ₃
Molecular Weight:	337.41
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	AMG 9810 is a competitive antagonist of capsaicin activation of the vanilloid receptor 1 (TRPV1) (IC ₅₀ s = 24.5 and 85.6 nM for human and rat TRPV1, respectively).
Targets(IC ₅₀)	TRP/TRPV Channel
In vivo	In a rat model of inflammatory pain induced by intraplantar injection of complete Freund's adjuvant, 30-100 mg/kg AMG 9810 reverses thermal and mechanical hyperalgesia[3].

Solubility Information

Solubility	DMSO: 33 mg/mL (97.80 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9638 mL	14.8188 mL	29.6375 mL
5 mM	0.5928 mL	2.9638 mL	5.9275 mL
10 mM	0.2964 mL	1.4819 mL	2.9638 mL
50 mM	0.0593 mL	0.2964 mL	0.5928 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

Mcdougale D R , Watson J E , Abdeen A A , et al. Anti-inflammatory ω -3 endocannabinoid epoxides[J]. Proceedings of the National Academy of Sciences, 2017:201610325.

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