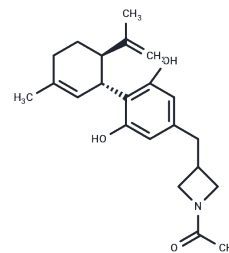


KLS-13019

## Chemical Properties

CAS No. : 1801243-39-9  
 Formula: C<sub>22</sub>H<sub>29</sub>NO<sub>3</sub>  
 Molecular Weight: 355.47  
 Storage: Store at low temperature  
 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	KLS-13019 is a highly effective and orally active GPR55 receptor antagonist, a cannabidiol (CBD)-derived neuroprotective agent that can reverse chemotherapy-induced peripheral neuropathy (CIPN) and is suitable for studying hepatic encephalopathy (HE).
Targets(IC50)	Cannabinoid Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8132 mL	14.0659 mL	28.1318 mL
5 mM	0.5626 mL	2.8132 mL	5.6264 mL
10 mM	0.2813 mL	1.4066 mL	2.8132 mL
50 mM	0.0563 mL	0.2813 mL	0.5626 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

Ippolito MJ, et al. KLS-13019, a novel structural analogue of cannabidiol (CBD) and GPR55receptor antagonist, Prevents and Reverses Chemotherapy-Induced Peripheral Neuropathy (CIPN) in Rats. J Pharmacol Exp Ther. 2024 Aug 22:JPET-AR-2024-002190.

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