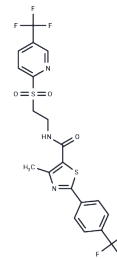


CC618

Chemical Properties

CAS No. : 1680204-90-3
 Formula: C₂₀H₁₅F₆N₃O₃S₂
 Molecular Weight: 523.47
 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	CC618 is a selective PPAR β/δ antagonist with an IC ₅₀ of 10.0 μ M.
Targets(IC ₅₀)	PPAR

Solubility Information

Solubility	DMSO: 55 mg/mL (105.07 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (4.78 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	1.9103 mL	9.5516 mL	19.1033 mL
5 mM	0.3821 mL	1.9103 mL	3.8207 mL
10 mM	0.191 mL	0.9552 mL	1.9103 mL
50 mM	0.0382 mL	0.191 mL	0.3821 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

Kaupang Å, et al. Synthesis, biological evaluation and molecular modeling studies of the PPAR β/δ antagonist CC618. Eur J Med Chem. 2015 Apr 13;94:229-36.

Kaupang Å, et al. Synthesis of 5-trifluoromethyl-2-sulfonylpyridine PPAR β/δ antagonists: Effects on the affinity and selectivity towards PPAR β/δ . Bioorg Med Chem. 2016 Jan 15;24(2):247-60.

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