
Product Data Sheet

Product Name: Rodatristat

Cat. No.: GC63842

Chemical Properties

Cas. No. 1673568-73-4

Formula C₂₇H₂₇ClF₃N₅O₃

M.Wt 561.98

Solubility DMSO : 20 mg/mL (35.59 mM; ultrasonic and warming and heat to 80°C)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Rodatristat (KAR5417) is a potent tryptophan hydroxylase 1 (TPH1) and TPH2 inhibitor with IC₅₀s value of 33 nM and 7 nM, respectively, and shows robust reduction of intestinal serotonin (5-HT) levels in mice[1].

Rodatristat (10-50 mg/kg; oral administration; mice) treatment decreases intestinal 5-HT concentrations at 50 mg/kg, their efficacy drop off significantly at the lower 10 mg/kg dose[1].

[1]. Goldberg DR, et al. Optimization of spirocyclic proline tryptophan hydroxylase-1 inhibitors. *Bioorg Med Chem Lett.* 2017 Feb 1;27(3):413-419.

Caution: Product has not been fully validated for medical applications. For research use only.

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