
Product Data Sheet

Product Name: Rodatristat ethyl

Cat. No.: GC62458

Chemical Properties

Cas. No. 1673571-51-1

Formula $C_{29}H_{31}ClF_3N_5O_3$

M.Wt 590.04

Solubility DMSO : 100 mg/mL (169.48 mM; ultrasonic and warming and heat to 60°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 ethyl (KAR5585) is a first-in-class oral tryptophan hydroxylase 1 (TPH1) Inhibitor with nanomolar in vitro potency. Rodatristat ethyl reduces the level of 5-HT and significantly reduces pulmonary arterial hypertension (PAH)[1][2].

Rodatristat ethyl (100 or 200 mg/kg; oral administration; once daily; for 28 days; male Sprague-Dawley rats) treatment decreases erum, gut and lung 5-HT levels in a dose-dependent manner and significantly reduces pulmonary arterial pressure, and pulmonary vessel wall thickness and occlusion in male rats with monocrotaline (MCT)[1].

[1]. Aiello RJ, et al. Tryptophan hydroxylase 1 Inhibition Impacts Pulmonary Vascular Remodeling in Two Rat Modelsof Pulmonary Hypertension. J Pharmacol Exp Ther. 2017 Feb;360(2):267-279.

[2]. Alice Melão, MSc. Early Results on Rodatristat Ethyl Support Launch of Phase 2 Trial in PAH Patients. FEBRUARY 4, 2019.

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

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