
Product Data Sheet

Product Name: EIF2 α activator 2

Cat. No.: GC69047

Chemical Properties

Cas. No. 1501618-04-7

Formula C₂₁H₂₀F₆N₂O₂

M.Wt 446.39

Solubility DMSO : 250 mg/mL (560.05 mM; Need ultrasonic) 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

EIF2 α activator 2 (Compound 1) is an activator of eukaryotic initiation factor 2 alpha (**eIF2 α**) phosphorylation. EIF2 α activator 2 exhibits high potency in SRB cell proliferation assays (IC₅₀=0.46 μ M). EIF2 α activator 2 exhibits antiproliferative activity against K562 and PBMC cells with **IC₅₀**s of 4.79 and 10.52 μ M, respectively^[1].

[1]. Jinsook Kwak, et al. A bioisosteric approach to the discovery of novel N-aryl-N'-[4-(aryloxy)cyclohexyl]squaramide-based activators of eukaryotic initiation factor 2 alpha (eIF2 α) phosphorylation. Eur J Med Chem. 2022 May 29;239:114501.

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

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