

Product Data Sheet

Product Name: ERRy agonist-1

Cat. No.: GC70943

Chemical Properties

Cas. No.

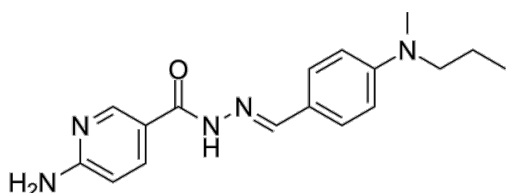
Formula $C_{17}H_{21}N_5O$ M.Wt 311.38

Solubility DMSO : 25 mg/mL (80.29 mM; Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO) Storage 4°C, protect from light

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

ERRy agonist-1 is a potent ERRy agonist. ERRy agonist-1 increases transcriptional activities of ERRy. ERRy agonist-1 has the potential for the research of neuropsychological disorders.

ERRy agonist-1 (compound 5d) (5 μ M; 3 days) significantly increases the expression of tyrosine

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

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hydroxylase (TH) and dopamine transporter (DAT), DAergic neuronal phenotypes (dopaminergic neuronal phenotype) in neuroblastoma SH-SY5Y cells^[1].

ERR γ agonist-1 (5 μ M; 3 days) induces DAergic neuronal phenotypes via the ERR γ -mediated up-regulation of CREB-signaling pathway^[1].

References:

[1]. Kim T, et al. Discovery of new ERR γ agonists regulating dopaminergic neuronal phenotype in SH-SY5Y cells. Bioorg Chem. 2022; 122:105716.

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