
Product Data Sheet

Product Name: NF- κ B activator 2

Cat. No.: GC63104

Chemical Properties

Cas. No. 2375281-44-8

Formula C₁₆H₁₁FN₂O₃

M.Wt 298.27

Solubility DMSO : 250 mg/mL (838.17 mM; Need ultrasonic)

Storage

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

NF- κ B activator 2 is a potent and orally active NF- κ B activator, with an EC₅₀ of 1.58 μ M. NF- κ B activator 2 induces SOD2 through increasing NF- κ B expression and activation. NF- κ B activator 2 can be used for the research of amyotrophic lateral sclerosis (ALS)[1].

NF- κ B activator 2 (compound 61) (1 μ M, 6 h) induces SOD2 mRNA expression in SH-SY5Y neuroblastoma cells[1].

NF- κ B activator 2 (1 mg/kg; i.v.) displays a suitable half-life (0.96 h) in mice[1]. NF- κ B activator 2 (5 mg/kg; p.o.) displays a comparable half-life (2.86 h), oral bioavailability (15.6%), and C_{max} (92 ng/mL)[1].

[1]. Mathew B, et, al. Structure-activity relationship (SAR) studies of N-(3-methylpyridin-2-yl)-4-(pyridin-2-yl)thiazol-2-amine (SRI-22819) as NF- κ B activators for the treatment of ALS. Eur J Med Chem. 2020 Oct 22;112952.

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

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