

Product Data Sheet

Product Name: BI-4924
Cat. No.: GC35515

Chemical Properties

Cas. No. 2244452-09-1

SMILES O=C(O)CS(=O)(C1=CC=C([C@H](NC(C(N2C)=CC3=C2C=C(C)C(Cl)=C3Cl)=O)CO)C=C1)=O

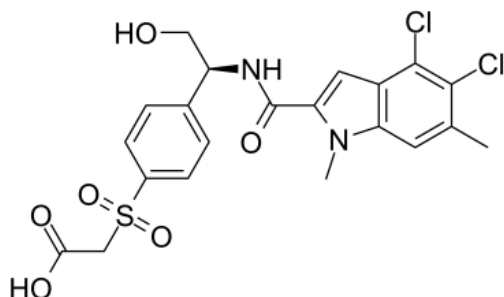
Formula $C_{21}H_{20}Cl_2N_2O_6S$ M.Wt 499.36

Solubility Soluble in DMSO 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

BI-4924 is a lipophilic, highly plasma protein bound selective phosphoglycerate dehydrogenase (PHGDH) inhibitor (IC₅₀=3 nM) with excellent microsomal, as well as hepatocytic stability. Intracellular trapping of BI-4924 disrupts serine biosynthesis with an IC₅₀ of 2200 nM at 72 h[1]. PHGDH[1]

BI-4924 is a highly potent co-factor nicotinamide adenine dinucleotide (NADH/NAD⁺)-competitive

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

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PHGDH inhibitor. BI-4924 shows high selectivity against the majority of other dehydrogenase targets[1].

[1]. Weinstabl H, et al. Intracellular Trapping of the Selective Phosphoglycerate Dehydrogenase (PHGDH) Inhibitor BI-4924 Disrupts Serine Biosynthesis. J Med Chem. 2019 Jul 31.

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