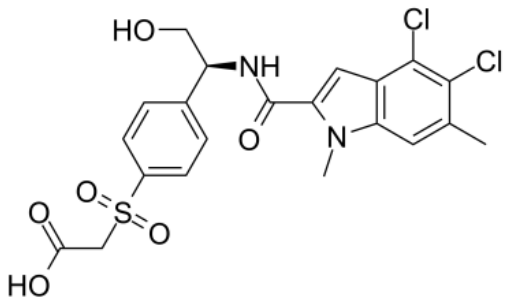
Product Data Sheet

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

Product Data Sheet

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.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA