
Product Data Sheet

Product Name: PKUMDL WQ 2101

Cat. No.: GC50508

Chemical Properties

Cas. No. 304481-72-9

SMILES OC1=CC(O)=C(C(N/N=C/C2=CC([N+])([O-])=O)=CC=C2O)=O)C=C1Formula $C_{14}H_{11}N_3O_6$ M.Wt 317.25

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**

Negative allosteric modulator of phosphoglycerate dehydrogenase (PHGDH) (IC₅₀ = 34.8 μM). Exhibits antitumor activity in vitro in breast cancer cells lines overexpressing PHGDH (EC₅₀ values are 7.7 and 10.8 μM in MDA-MB-468 and HCC-70 cells, respectively). Inhibits growth of MDA-MB-468 xenografts in mice.

Wang et al (2017) Rational design of selective allosteric inhibitors of PHGDH and serine synthesis with anti-tumor activity. Cell Chem.Biol. 24 55 PMID:28042046

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

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