

Product Data Sheet

Product Name: GAPDH Inhibitor Compound F8

Cat. No.: GC91975

Chemical Properties

Cas. No. 252212-58-1

Chemical Name 2,5-bis[3-(2-oxiranylmethoxy)phenyl]-1,3,4-oxadiazole

SMILES C1(C2=CC(OCC3OC3)=CC=C2)=NN=C(C4=CC=CC(OCC5CO5)=C4)O1

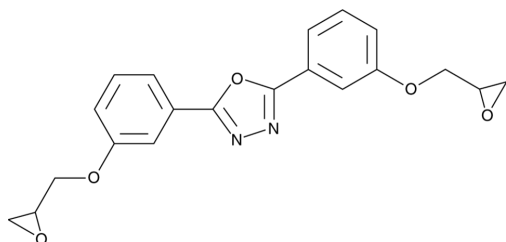
Formula $C_{20}H_{18}N_2O_5$ M.Wt 366.4

Solubility Acetonitrile: Slightly soluble: 0.1-1 mg/ml Storage -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

GAPDH inhibitor compound F8 is a covalent inhibitor of GAPDH ($\text{IC}_{50} = 39.31 \mu\text{M}$).¹ It viability of, and glucose metabolism in, HEK293 cells in a concentration-dependent manner.

References:

[1]. Jung, Y., Noda, N., Takaya, J., et al. Discovery of non-cysteine-targeting covalent inhibitors by activity-based proteomic screening with a cysteine-reactive probe ACS Chem. Biol. 17(2)340-347(2022).

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

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