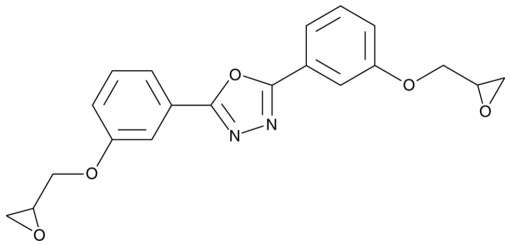
Product Data Sheet

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 (IC_{50} = 39.31 μM).[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 probeACS Chem. Biol.17(2)340-347(2022).

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

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