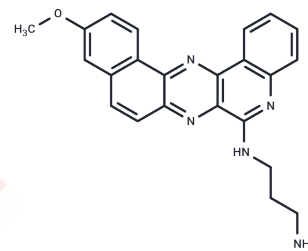


Benzoquinoquinoxaline

Chemical Properties

CAS No. :	207671-99-6
Formula:	C ₂₃ H ₂₁ N ₅ O
Molecular Weight:	383.45
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Benzoquinoquinoxaline (BQQ) is a heterocyclic compound with aminoalkyl side chains containing benzo and quinoline ring structures. BQQ is triple-helix specific stabilizing compounds by preferentially binding to DNA triple junctions and inserting between the bases. Complexes of BQQ with 1,10-phenanthroline are able to bind specifically to and cleave double-stranded DNA at the cleave double-stranded DNA at sites that form triple structures.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 120 mg/mL (312.95 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6079 mL	13.0395 mL	26.079 mL
5 mM	0.5216 mL	2.6079 mL	5.2158 mL
10 mM	0.2608 mL	1.304 mL	2.6079 mL
50 mM	0.0522 mL	0.2608 mL	0.5216 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Umek T, et al. Oligonucleotide Binding to Non-B-DNA in MYC. Molecules. 2019 Mar 12;24(5):1000.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481