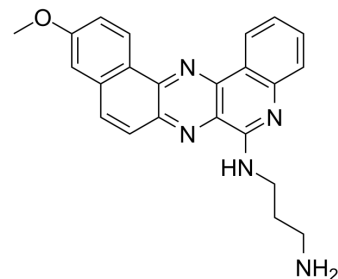


Benzoquinoxaline

Cat. No.:	HY-145657		
CAS No.:	207671-99-6		
Molecular Formula:	C ₂₃ H ₂₁ N ₅ O		
Molecular Weight:	383.45		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 130 mg/mL (339.03 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6079 mL	13.0395 mL	26.0790 mL
5 mM	0.5216 mL	2.6079 mL	5.2158 mL
10 mM	0.2608 mL	1.3040 mL	2.6079 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Benzoquinoxaline (BQQ) is a heterocyclic compound with an aminoalkyl side chain. Benzoquinoxaline preferentially binds to DNA triplex structures, intercalates between the bases, thus, stabilising the triplex conformation. Conjugation of Benzoquinoxaline to 1,10-phenanthroline specifically binds and cleaves double strand DNA at the site of formation of a triplex structure^[1].

REFERENCES

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

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA