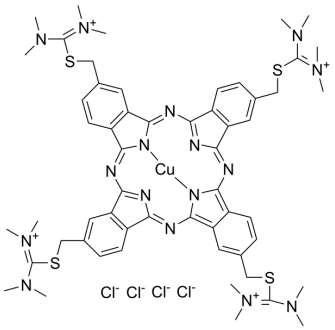
Alcian Blue 8GX

Cat. No.:	HY-D0001
CAS No.:	33864-99-2
Molecular Formula:	$C_{56}H_{68}Cl_4CuN_{16}S_4$
Molecular Weight:	1298.86
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (96.24 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	0.7699 mL	3.8495 mL	7.6991 mL
	5 mM	0.1540 mL	0.7699 mL	1.5398 mL
	10 mM	0.0770 mL	0.3850 mL	0.7699 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (1.60 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Alcian Blue 8GX is a cationic copper phthalocyanine dye well-known to bind to glycoproteins and to glucosaminoglycans[1].

CUSTOMER VALIDATION

- J Orthop Surg Res. 2023 Jul 29;18(1):546.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Candiano G, et al. Widening and diversifying the proteome capture by combinatorial peptide ligand libraries via Alcian Blue dye binding. Anal Chem. 2015;87(9):4814-4820.

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