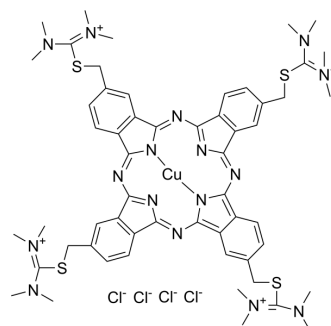


## Alcian Blue 8GX

<b>Cat. No.:</b>	HY-D0001
<b>CAS No.:</b>	33864-99-2
<b>Molecular Formula:</b>	C <sub>56</sub> H <sub>68</sub> Cl <sub>4</sub> CuN <sub>16</sub> S <sub>4</sub>
<b>Molecular Weight:</b>	1298.86
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	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

<b>In Vitro</b>	DMSO : 125 mg/mL (96.24 mM; Need ultrasonic)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Mass</b> \ <b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	0.7699 mL	3.8495 mL	7.6991 mL
		<b>5 mM</b>	0.1540 mL	0.7699 mL	1.5398 mL
		<b>10 mM</b>	0.0770 mL	0.3850 mL	0.7699 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	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

<b>Description</b>	Alcian Blue 8GX is a cationic copper phthalocyanine dye well-known to bind to glycoproteins and to glucosaminoglycans <sup>[1]</sup> .
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### CUSTOMER VALIDATION

- J Biochem Mol Toxicol. 2023 Dec 30.
- J Orthop Surg Res. 2023 Jul 29;18(1):546.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

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[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.

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

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