

Product Data Sheet

Product Name: Alcian Blue 8GX
Cat. No.: GC67217

Chemical Properties

Cas. No. 33864-99-2

Formula $C_{56}H_{68}Cl_4CuN_{16}S_4$ M.Wt 1298.86

Solubility DMSO : 125 mg/mL (96.24 mM; Need ultrasonic) Storage Store at -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

Protocol

1. 称取 10mg Alcian Blue 8GX 溶于 ddH₂O 0.6mL 中，定容至 20 mL，浓度为 20-200 mg/mL Alcian Blue 8GX 溶液。

2. 将上述溶液置于 4°C 冰箱中保存。

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4. 将上述溶液置于 4°C 冰箱中保存。

5. 将上述溶液置于 4°C 冰箱中保存。

6. 将上述溶液置于 4°C 冰箱中保存。

7. 将上述溶液置于 4°C 冰箱中保存。

8. 将上述溶液置于 4°C 冰箱中保存。

9. 将上述溶液置于 4°C 冰箱中保存。

10. 将上述溶液置于 4°C 冰箱中保存。

Caution: Product has not been fully validated for medical applications. For research use only.
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1

2

3 100μL 30-60min

4 2~3 5

4

References:

[1]. Hiroki Ueharu, et. Isolation and Culture of Cranial Neural Crest Cells from the First Branchial Arch of Mice. 2022 Apr 5;12(7):e4371. doi: 10.21769/BioProtoc.4371.

[2]. J Tas. The Alcian blue and combined Alcian blue--Safranin O staining of glycosaminoglycans studied in a model system and in mast cells. 1977 Mar;9(2):205-30. doi: 10.1007/BF01003632.

Background

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

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.