

Congo Red

Cat: IC1000

Storage: Powder:2-8°C,2 years;Insolvent(mother liquid):-20°C,6 months;-80°C,1 year(protect from light)

Introduction

Congo Red is a benzidine based anionic diazo dye that binds to a variety of amyloid proteins and is used to quantify amyloid beta-peptide aggregation. Congo red can also interact with β -D-glucan, D-glucopyranyl polysaccharides containing continuous β -(1 \rightarrow 4)- bonds, and some hemicellulose galactose-mannanans. Congo red has been widely used in the determination of amyloid protein in tissue sections and as an additive in biological medium.

Parameters

CAS: 573-58-0

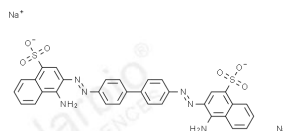
Molecular Formula: C₃₂H₂₂N₆Na₂O₆S₂

Molecular Weight: 696.66

Purity: HPLC \geq 98%

Appearance: Red to reddish brown Solid

Solubility: Soluble in Water \geq 10mg/mL;Soluble in DMSO \geq 10mg/mL;Soluble in Ethanol < 1mg/mL



Protocols (only for reference)

Perform operations according to the experimental requirements.

Note

1. For your safety and health, please wear laboratory coats and disposable gloves when operating.
2. This product is for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store it in ordinary residential areas.

Related Literature

[1]. Li X, Yin W, Lin JD, Zhang Y, Guo Q, Wang G, Chen X, Cui B, Wang M, Chen M, Li P, He YW, Qian W, Luo H, Zhang LH, Liu XW, Song S, Deng Y. Regulation of the physiology and virulence of *Ralstonia solanacearum* by the second messenger 2',3'-cyclic guanosine monophosphate. *Nat Commun.* 2023 Nov 23;14(1):7654. doi: 10.1038/s41467-023-43461-2. PMID: 37996405; PMCID: PMC10667535.(IF:16.6)

Note: For more literature, please visit the Solarbio official website.