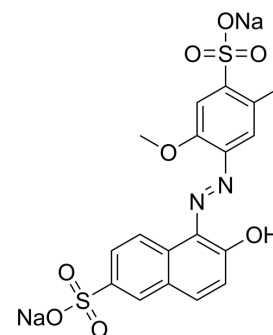


Allura Red AC

Cat. No.:	HY-123630
CAS No.:	25956-17-6
Molecular Formula:	C ₁₈ H ₁₄ N ₂ Na ₂ O ₈ S ₂
Molecular Weight:	496.42
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°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

H₂O : 100 mg/mL (201.44 mM; Need ultrasonic)
DMSO : 62.5 mg/mL (125.90 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0144 mL	10.0721 mL	20.1442 mL
	5 mM	0.4029 mL	2.0144 mL	4.0288 mL
	10 mM	0.2014 mL	1.0072 mL	2.0144 mL

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

BIOLOGICAL ACTIVITY

Description

Allura Red AC, a food colourant, is dark red and water-soluble powder or granules used in various applications, such as in drinks, syrups, sweets and cereals. Allura Red AC has the ability to quench the intrinsic fluorescence of HSA through static quenching^[1].

REFERENCES

[1]. Di Wu, et al. Characterisation of Interaction Between Food Colourant Allura Red AC and Human Serum Albumin: Multispectroscopic Analyses and Docking Simulations. Food Chem. 2015 Mar 1;170:423-9.

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