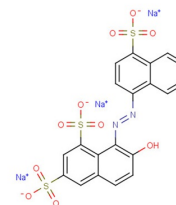


Data Sheet (Cat.No.T16562)

Ponceau 4R

Chemical Properties

CAS No.:	2611-82-7
Formula:	C ₂₀ H ₁₁ N ₂ Na ₃ O ₁₀ S ₃
Molecular Weight:	604.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Ponceau 4R is a synthetic colourant that may be used as a food colouring and is a strawberry red azo dye which can be used in a variety of food products. It is stable to light, heat, and acid but fades in the presence of ascorbic acid. It is usually synthesized from aromatic hydrocarbons.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 100 mg/mL (165.43 mM) H ₂ O: 25 mg/mL (41.36 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.654 mL	8.272 mL	16.543 mL
5 mM	0.331 mL	1.654 mL	3.309 mL
10 mM	0.165 mL	0.827 mL	1.654 mL
50 mM	0.033 mL	0.165 mL	0.331 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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