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DATASHEET

Ponceau S sodium salt

Product overview

Name Ponceau S sodium salt
Cat No HB0819

Biological description **Overview**

Dye used to detect protein bands after western blotting.

Uses & applications

Although it is relatively insensitive, it is simple, rapid and easily reversible which allows further detection.

Once stained with Ponceaus S, transferred proteins appears as red bands on a pink background.

Please note that Ponceaus S is not suitable for use with nylon membranes.

Biological action Dyes & stains
Description Detects protein bands after western blotting

Solubility & Handling

Storage instructions Room temperature
Solubility overview Soluble in water (1 mg/ml)
Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions Stable for **ambient temperature** shipping. Follow storage instructions on receipt.
Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name 3-Hydroxy-4-[2-[2-sulfo-4-[2-(4-sulfophenyl)diazenyl]phenyl]diazenyl]-2,7-naphthalenedisulfonic acid tetrasodium salt
Molecular Weight 760.57
Molecular Formula $C_{22}H_{12}N_4Na_4O_{13}S_4$
CAS Number 6226-79-5
PubChem identifier 11320219
SMILES C1=CC(=CC=C1N=NC2=CC(=C(C=C2)N/N=C\3/C4=C(C=C(C=C4)S(=O)(=O)[O-])C=C(C3=O)S(=O)(=O)[O-])S(=O)(=O)[O-])S(=O)(=O)[O-].[Na+].[Na+].[Na+].[Na+]
InChiKey VSXKEUCERCWGKF-STNZDNLRSA-J
MDL number MFCD00003892
Appearance Brown solid

References

Detection of Proteins on Blot Membranes

Goldman A *et al* (2016) Curr Protoc Protein Sci 86

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Staining membrane-bound proteins with ponceau s

Stochaj WR *et al* (2006) CSH Protoc 2006

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Protein determination by ponceau S using digital color image analysis of protein spots on nitrocellulose membranes

Bannur SV *et al* (1999) Anal Biochem 267(2)

PubMedID [10036145](#)
