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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)
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

PubMedID 27801518

Staining membrane-bound proteins with ponceau s

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

PubMedID 22485938

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
