

Brighten up your lab coat!

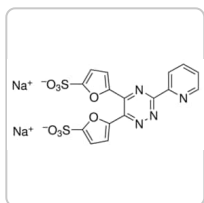
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Saisir le nom du produit, le numéro de lot, etc.



Toutes les
photos (1)

Documents



FDS



COO/COA



Fiche des
caractéristiques

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documents »

P4272 ► Sigma-Aldrich.

3-(2-Pyridyl)-5,6-di(2-furyl)-1,2,4-triazine-5',5''-disulfonic acid disodium salt

★★★★★ (0)

Synonyme(s):

5,5'-[3-(2-Pyridyl)-1,2,4-triazine-5,6-diyl]difuran-2-sulfonic acid disodium salt

Empirical Formula (Hill Notation):

C₁₆H₈N₄Na₂O₈S₂

Numéro CAS: 79551-14-7

Poids moléculaire: 494.37

Beilstein: 5710932

Numéro MDL: MFCD00040642

ID de substance PubChem: 24898520

NACRES: NA.47

Référence	Conditionnement	Disponibilité	Prix	Quantité
P4272-1G	1 G	✓ Disponible pour expédition le 10 octobre 2022	Détails... 80,70 €	− +
P4272-5G	5 G	✓ Disponible pour expédition le 10 octobre 2022	Détails... 268,00 €	− +
P4272-25G	25 G	✓ Only 4 left in stock (more on the way)	Détails... 1070,00 €	− +

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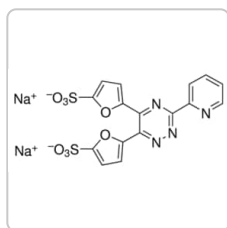
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PRODUITS RECOMMANDÉS



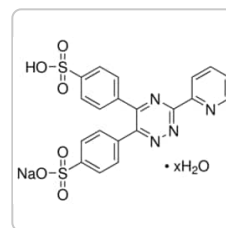
Supelco

82940

3-(2-Pyridyl)-5,6-di(2-furyl)-1,2,4-triazine-5',5''-disulfonic acid disodium salt

for spectrophotometric det. of Fe, ≥99.0%

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

160601

3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine-*p,p'*-disulfonic acid monosodium salt hydrate

97%

[Consulter le prix et la disponibilité](#)



PROPRIÉTÉS

Forme	powder or crystals
Niveau de qualité	200
Solubilité	water: 50 mg/mL, clear to slightly hazy
Traces de cations	C: 38.87% ((Theory), anhydrous) N: 11.33% ((Theory), anhydrous)

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Temp. de stockage	room temp
SMILES string	<chem>[Na+].[Na+].[O-]S(=O)(=O)c1ccc(o1)-c2nnc(nc2-c3ccc(o3)S([O-])(=O)=O)-c4cccn4</chem>
InChI	1S/C16H10N4O8S2.2Na/c21-29(22,23)12-6-4-10(27-12)14-15(11-5-7-13(28-11)30(24,25)26)19-20-16(18-14)9-3-1-2-8-17-9;;/h1-8H,(H,21,22,23)(H,24,25,26);;/q;2*+1/p-2
InChI key	IVLSEFOVPQFJBB-UHFFFAOYSA-L

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

Catégories apparentées
[Hematology Stains](#)
[Histology Stains](#)
DESCRIPTION**Description générale**

3-(2-Pyridyl)-5,6-di(2-furyl)-1,2,4-triazine-5',5''-disulfonic acid disodium salt is also known as Ferene.

Application

3-(2-Pyridyl)-5,6-di(2-furyl)-1,2,4-triazine-5',5''-disulfonic acid disodium salt has been used as a component in a sensitive colorimetric assay (ferene-s assay) for the detection of iron.

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INFORMATIONS SUR LA SÉCURITÉ

Pictograms**GHS07****Mention d'avertissement**

Warning

Mentions de danger**H315 - H319 - H335****Conseils de prudence****P261 - P264 - P271 - P280 -
P302 + P352 - P305 + P351 +
P338****Classification des risques**Eye Irrit. 2 - Skin Irrit. 2 -
STOT SE 3**Organes cibles**

Respiratory system

**Code de la classe de
stockage**

11 - Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

**Équipement de protection
individuelle**dust mask type N95 (US),
Eyeshields, Gloves

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

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Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

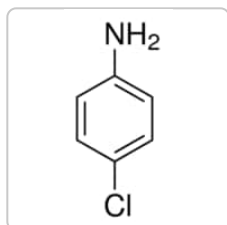
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LES CLIENTS ONT ÉGALEMENT CONSULTÉ

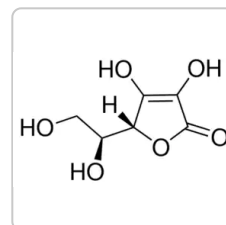


Sigma-Aldrich

C22415

4-Chloroaniline

98%



Sigma-Aldrich

A92902

L-Ascorbic acid

99%

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ARTICLES REVUS PAR DES PAIRS

Ferene-S as the chromogen for serum iron determinations.

S Eskelinen et al.

Scandinavian journal of clinical and laboratory investigation, 43(5), 453-455 (1983-09-01)

Ferene-S was tested as the iron chromogen and the results were compared with the chromogen Ferrozine. With Ferene-S the volume of serum could be halved. We also tried to adapt Ferene-S in total iron binding capacity determinations but failed. From

Interaction between bovine control materials and the ferene iron method.

H M Barbour et al.

Annals of clinical biochemistry, 30 (Pt 2), 221-222 (1993-03-01)

Application of a sensitive and specific reagent for the determination of serum iron to the Bayer DAX48.

J D Artiss et al.

American journal of clinical pathology, 108(3), 269-274 (1997-09-18)

We describe a modification of a previously described serum iron procedure applied to the Bayer DAX48 (Bayer Diagnostics, Tarrytown, NY) automated chemistry analyzer. The iron-ligand used in this assay, 2-(5-nitro-2-pyridylazo)-5-(N-propyl-N-sulfopropylamine) phenol (nitro-PAPS), has a molar absorptivity of 94,000 L mol⁻¹

A specific stain for the detection of nonheme iron proteins in polyacrylamide gels.

L M Leong et al.

Analytical biochemistry, 207(2), 317-320 (1992-12-01)

Nonheme iron proteins can be visualized as blue bands in native polyacrylamide gels using a staining method that is both simple and rapid. The reaction of potassium ferricyanide with protein-bound iron atoms to form royal blue complexes occurs almost instantaneously

Superoxide-dependent reduction of some simple low molecular mass iron complexes.

J M Gutteridge

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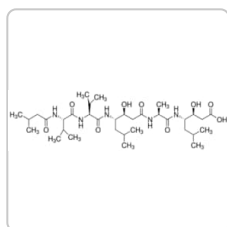


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PRODUITS CONSULTÉS RÉCEMMENT

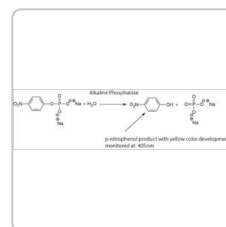


Sigma-Aldrich

P4265

Pepstatin A

microbial, ≥75% (HPLC)



Sigma-Aldrich

P4252

Phosphatase, Alkaline from *Escherichia coli*

ammonium sulfate suspension, 30-90 units/mg protein
(modified Warburg-Christian, in glycine buffer)

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Évaluations



Soyez le premier à donner votre avis sur ce produit

Questions

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Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

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