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

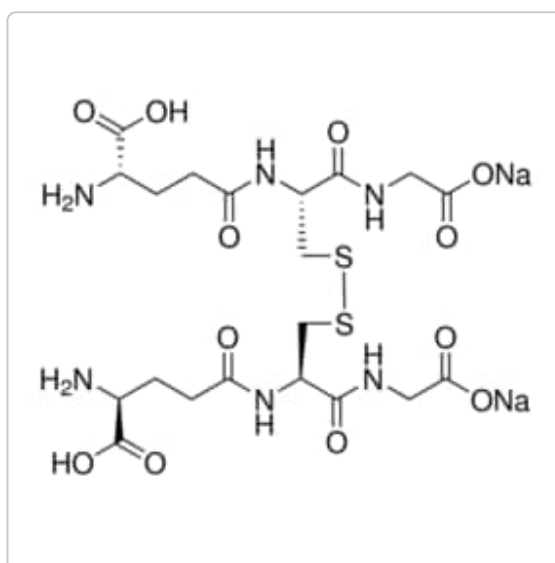


G2140 ▶ **Sigma-Aldrich**

L-Glutathione oxidized disodium salt

★★★★★ (0)

suitable for cell culture, BioReagent



[Toutes les photos](#) (4)

Synonyme(s):

GSSG

Empirical Formula (Hill Notation):

C₂₀H₃₀N₆Na₂O₁₂S₂

Numéro CAS:

103239-24-3

Poids moléculaire:

656.59

Beilstein:

6265389

Numéro MDL:

MFCD00148894

ID de substance PubChem:

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Documents

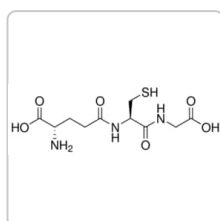
[↓ FDS](#)

[🔍 COO/COA](#)

[📄 Fiche des caractéristiques](#)

[Plus de documents >>](#)

PRODUITS RECOMMANDÉS



Sigma-Aldrich

G6013

L-Glutathione reduced

suitable for cell culture, BioReagent, ≥98.0%, powder

[Consulter le prix et la disponibilité](#)

< 1 of 10 >

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[GET YOURS HERE](#)**Source biologique**

yeast

Niveau de qualité

200

Gamme de produits

BioReagent

Essai/Dosage

≥98%

Forme

powder

technique(s)

cell culture | mammalian: suitable

Impuretés

ethanol, essentially free

Solubilité

water: 50 mg/mL, clear, colorless to very faintly yellow

Temp. de stockage

-20°C

SMILES string[Na+].[Na+].N[C@@H](CCC(=O)N[C@@H](CSSC[C@H](NC(=O)CC[C@H](N)C([O-])=O)C(=O)NCC(O)=O)C(=O)NCC([O-])=O)C(O)=O**InChI**

1S/C20H32N6O12S2.2Na/c21-9(19(35)36)1-3-13(27)25-11(17(33)23-5-15(29)30)7-39-40-8-12(18(34)24-6-16(31)32)26-14(28)4-2-10(22)20(37)38;;/h9-12H,1-8,21-22H2,(H,23,33)(H,24,34)(H,25,27)(H,26,28)(H,29,30)(H,31,32)(H,35,36)(H,37,38);;/q;2*+1/p-2/t9-,10-,11-,12-;;/m0../s1

InChI key

DRFILBXQKYDTFW-JIWRMXRASA-L

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

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(γ -Glu-Cys-Gly) (γ -Glu-Cys-Gly) [Disulfide bridge: 2_a-2_b]

Application

For use in cell culture applications as an antioxidant and heavy metal detoxification agent. L-Glutathione oxidized disodium salt has been used in semen processing and evaluation.

Conditionnement

250 mg in poly bottle

1, 5 g in poly bottle

Actions biochimiques/physiologiques

Oxidized L-glutathione is frequently measured in vivo as an indicator of oxidative stress.

PRODUITS APPARENTÉS**Produit Apparenté****38185**

Quantification kit for oxidized and reduced glutathione, 200 tests

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ**Code de la classe de stockage**

11 - Combustible Solids

WGK

WGK 2

Flash Point(F)

Not applicable

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Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

DOCUMENTATION

Certificat d'analyse

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

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

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)

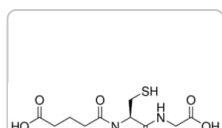
Rechercher

Plus De Documents

[Structure Search](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Y0000517

Glutathione

European Pharmacopoeia (EP) Reference Standard

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ARTICLES REVUS PAR DES PAIRS

Influence of various antioxidants on microscopic-oxidative stress indicators and fertilizing ability of frozen-thawed bull semen

Sariozkan S, et al.

Acta Veterinaria Brno, 78(3), 463-469 (2009)

Oxidized forms of glutathione in peripheral blood as biomarkers of oxidative stress.

Rossi R

Clinical Chemistry, 52(7), 1406-1414 (2006)

Aldehydic load and aldehyde dehydrogenase 2 profile during the progression of post-myocardial infarction cardiomyopathy: benefits of Alda-1.

Katia M S Gomes et al.

International journal of cardiology, 179, 129-138 (2014-12-03)

We previously demonstrated that reducing cardiac aldehydic load by aldehyde dehydrogenase 2 (ALDH2), a mitochondrial enzyme responsible for metabolizing the major lipid peroxidation product, protects against acute ischemia/reperfusion injury and chronic heart failure. However, time-dependent changes in ALDH2 profile, aldehydic

Interaction of MIF Family Proteins in Myocardial Ischemia/Reperfusion Damage and Their Influence on Clinical Outcome of Cardiac Surgery Patients.

Christian Stoppe et al.

Antioxidants & redox signaling, 23(11), 865-879 (2015-08-04)

Cardiac surgery involves myocardial ischemia/reperfusion (I/R) with potentially deleterious consequences. Macrophage migration inhibitory factor (MIF) is a stress-regulating chemokine-like cytokine that protects against I/R damage, but functional links with its homolog, d-dopachrome tautomerase (MIF-2), and the circulating soluble receptor CD74

FoxO transcription factors support oxidative stress resistance in human chondrocytes.

Yukio Akasaki et al.

Arthritis & rheumatology (Hoboken, N.J.), 66(12), 3349-3358 (2014-09-05)

A major signaling pathway that regulates cellular aging is the insulin/insulin-like growth factor 1 (IGF-1)/phosphatidylinositol 3-kinase (PI3K)/Akt/FoxO transcription factor axis. We previously observed that FoxO transcription factors are dysregulated in aged and OA cartilage. The objective of this study was

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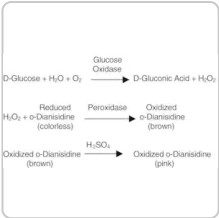
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PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

G2133

Glucose Oxidase from *Aspergillus niger*

Type VII, lyophilized powder, ≥100,000 units/g solid (without added oxygen)

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Évaluations

★★★★★

Soyez le premier à donner votre avis sur ce produit

Questions

Soyez le premier à poser une question

SERVICE TECHNIQUE

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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