[Toutes les photos \(1\)](#)

Documents

[↓ FDS](#)[🔍 COO/COA](#)[📄 Fiche des caractéristiques](#)[Plus de documents »](#)**17348** ▶ **Sigma-Aldrich.**

2-Hydroxyethyl methacrylate

★★★★★ (0)

embedding medium (for microscopy)

Synonyme(s):

1,2-Ethandiol mono(2-methylpropenoate), Glycol methacrylate, HEMA

Formule linéaire:

 $\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}_2\text{OH}$ Numéro CAS: **868-77-9**

Poids moléculaire: 130.14

Beilstein: 1071583

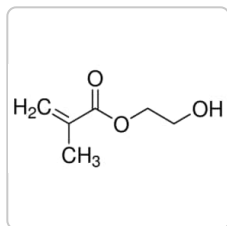
Numéro EC: **212-782-2**Numéro MDL: **MFCD00002863**ID de substance PubChem: **57647639**

NACRES: NA.25

Référence	Conditionnement	Disponibilité	Prix	Quantité
17348-250ML-F	250 ML	✓ Disponible pour expédition le 04 octobre 2022 Détails...	122,00 €	– +

[Demander une commande en gros](#)[Ajouter au panier](#)

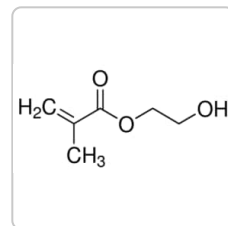
PRODUITS RECOMMANDÉS



Sigma-Aldrich

477028**2-Hydroxyethyl methacrylate**

≥99%, contains ≤50 ppm monomethyl ether hydroquinone as inhibitor

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

128635**2-Hydroxyethyl methacrylate**

contains ≤250 ppm monomethyl ether hydroquinone as inhibitor, 97%

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Qualité	embedding medium (for microscopy)
Niveau de qualité	100
Densité de vapeur	5 (vs air)
Pression de vapeur	0.01 mmHg (25 °C)
Essai/Dosage	≥99%
Forme	liquid
Contient	~0.001% hydroquinone monomethyl ether as stabilizer
Impuretés	<250 mg/kg free acid (as methacrylic acid) (T)

Indice de réfraction	<i>n</i> ₂₀ /D 1.453 (lit.) <i>n</i> ₂₀ /D 1.453
Point de bulle	67 °C/3.5 mmHg (lit.)
Densité	1.071 g/mL at 20 °C 1.073 g/mL at 25 °C (lit.)
Temp. de stockage	2-8°C
SMILES string	<chem>CC(=C)C(=O)OCCO</chem>
InChI	1S/C6H10O3/c1-5(2)6(8)9-4-3-7/h7H,1,3-4H2,2H3
InChI key	WOBHKFSMXKNTIM-UHFFFAOYSA-N

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

DESCRIPTION

Application

2-Hydroxyethyl methacrylate has been used in a study to describe a novel methodology for grafting polymers via radical photopolymerization initiated on gold surfaces by aryl layers from diazonium salt precursors. 2-Hydroxyethyl methacrylate has also been used in a study to provide insight into the induction of apoptosis and the differential expression of antioxidant enzymes depending on the availability of glutathione.

INFORMATIONS SUR LA SÉCURITÉ

Pictograms



GHS07

Mention d'avertissement

Warning

Mentions de danger

H315 - H317 - H319

Conseils de prudence

P261 - P264 - P272 - P280 -
P302 + P352 - P305 + P351 +
P338

Classification des risques

Eye Irrit. 2 - Skin Irrit. 2 - Skin
Sens. 1

Code de la classe de stockage

10 - Combustible liquids

WGK

WGK 1

Flash Point(F)

222.8 °F - closed cup

Point d'éclair C

106 °C - closed cup

Équipement de protection individuelle

Eyeshields, Faceshields,
Gloves, type ABEK
(EN14387) respirator filter

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

[Pressure-Temperature Nomograph](#)

[Structure Search](#)

[FDS](#)

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

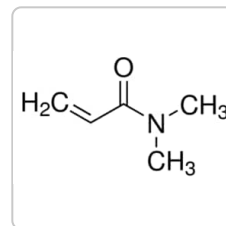


Supelco

1.09621

Ethylene glycol

for analysis EMSURE® Reag. Ph Eur, Reag. USP



Sigma-Aldrich

274135

N,N-Dimethylacrylamide

99%, contains 500 ppm monomethyl ether hydroquinone as inhibitor

[Consulter le prix et la disponibilité](#)[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Diazonium salt-derived 4-(dimethylamino)phenyl groups as hydrogen donors in surface-confined radical photopolymerization for bioactive poly(2-hydroxyethyl methacrylate) grafts.

Sarra Gam-Derouich et al.

Langmuir : the ACS journal of surfaces and colloids, 28(21), 8035-8045 (2012-05-03)

In this paper we describe a novel methodology for grafting polymers via radical photopolymerization initiated on gold surfaces by aryl layers from diazonium salt precursors. The parent 4-(dimethylamino)benzenediazonium salt was electroreduced on a gold surface to provide 4-(dimethylamino)phenyl (DMA) hydrogen

The influence of glutathione on redox regulation by antioxidant proteins and apoptosis in macrophages exposed to 2-hydroxyethyl methacrylate (HEMA).

Stephanie Krifka et al.

Biomaterials, 33(21), 5177-5186 (2012-04-27)

Resin monomers like 2-hydroxyethyl methacrylate (HEMA) disturb cell functions including responses of the innate immune system, mineralization and differentiation, or induce cell death via apoptosis. These phenomena are associated with oxidative stress and a reduction in the concentration of the

Deterministic order in surface micro-topologies through sequential wrinkling.

Jie Yin et al.

Advanced materials (Deerfield Beach, Fla.), 24(40), 5441-5446 (2012-08-24)

Ordered herringbone patterns with deterministic long and short wavelengths are created using a sequential wrinkling strategy (SWS). Patterns with a prescribed zig-zag turning angle less than 90° are obtained upon sequential wrinkling of non-equi-biaxial prestrain for the first time. SWS

Synergistic effects of SDF-1 α chemokine and hyaluronic acid release from degradable hydrogels on directing bone marrow derived cell homing to the myocardium.

Brendan P Purcell et al.

Biomaterials, 33(31), 7849-7857 (2012-07-28)

Poor cell engraftment in the myocardium is a limiting factor towards the use of bone marrow derived cells (BMCs) to treat myocardial infarction (MI). In order to enhance the engraftment of circulating BMCs in the myocardium following MI, we have

Murine *Plasmodium chabaudi* malaria increases mucosal immune activation and the expression of putative HIV susceptibility markers in the gut and genital mucosae.

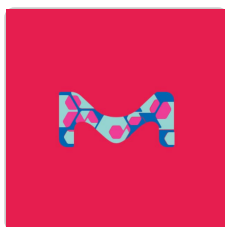
Duncan Chege et al.

Journal of acquired immune deficiency syndromes (1999), 65(5), 517-525 (2013-11-22)

To evaluate if systemic murine malarial infection enhances HIV susceptibility through parasite-induced mucosal immune alterations at sites of HIV sexual exposure. Malaria and HIV have a high degree of geographical overlap and interact substantially within coinfecting individuals. We used a

[Afficher tous les articles scientifiques apparentés](#)

PRODUITS CONSULTÉS RÉCEMMENT



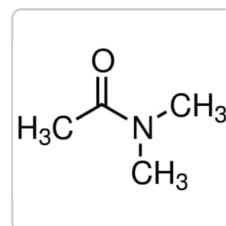
Sigma-Aldrich

17-344

H2A.X Phosphorylation Assay Kit (Flow Cytometry)

The H2A.X Phosphorylation Assay Kit (Flow cytometry) is a cell based assay formatted for flow cytometric...

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Sigma-Aldrich

17308

N,N-Dimethylacetamide

suitable for peptide synthesis, ≥99.8% (GC)

[Consulter le prix et la disponibilité](#)

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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