

Product datasheet

Chlorophyllin sodium copper salt (Chlorophyllin A), derivative of chlorophyll ab143593

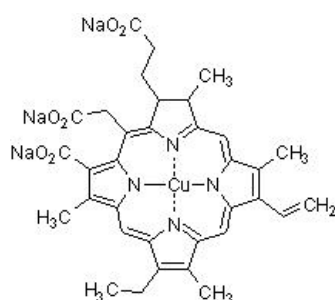
Overview

Product name	Chlorophyllin sodium copper salt (Chlorophyllin A), derivative of chlorophyll
Description	Antioxidant, antimutagenic agent
Biological description	Antioxidant, antimutagenic agent. Shows antimutagenic effects against a range of mutagenic agents but potentiates the mutagenic effects of alkylating agents. Shows antiproliferative effects. Chlorophyll a- and b-derivative. Shows antioxidant effects <i>in vivo</i> . Orally active.

Purity > 98%

CAS Number 11006-34-1

Chemical structure



Properties

Chemical name	3-[20-(Carboxylatomethyl)-18-(dioxidomethylidene)-8-ethenyl-13-ethyl-3,7,12,17-tetramethyl-2,3-dihydroporphyrin-22-id-2-yl]propanoate copper complex sodium salt
Molecular weight	724.15
Molecular formula	C ₃₄ H ₃₁ CuN ₄ Na ₃ O ₆
PubChem identifier	108006
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

CCC1=C(C2=NC1=CC3=C(C(=C([O-])[O-])C(=N3)C(=C4C(C(C(=N4)C=C5C(=C(C(=C2)[N-]5)C=C)C)C)CCC(=O)[O-])CC(=O)[O-])C.[Na+].[Na+].[Na+].[Cu+2]

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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