

Product Name: Tin protoporphyrin IX dichloride

Catalog No.: 0747

Batch No.: 4

CAS Number: 14325-05-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₄H₃₂Cl₂N₄O₄Sn

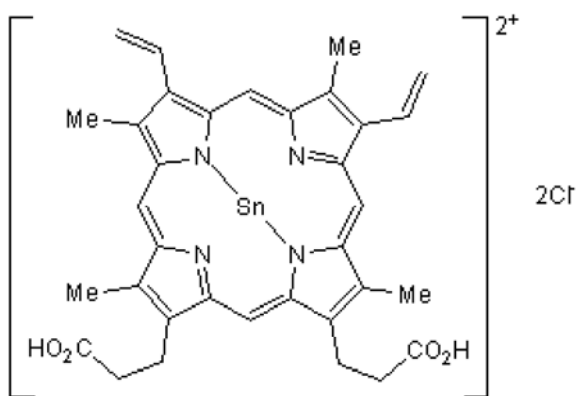
Batch Molecular Weight: 750.25

Physical Appearance: Purple solid

Solubility: DMSO to 5 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: Tin protoporphyrin IX dichloride

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Description:

A potent inhibitor of heme oxygenase. Prevents hyperbilirubinemia in neonates.

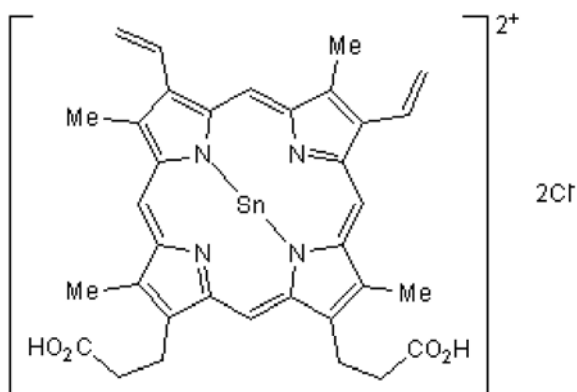
Physical and Chemical Properties:

Batch Molecular Formula: C₃₄H₃₂Cl₂N₄O₄Sn

Batch Molecular Weight: 750.25

Physical Appearance: Purple solid

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 5 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Grundemar and Ny (1997) Pitfalls using metalloporphyrins in carbon monoxide research. *TiPS* **18** 193. PMID: 9226997.

Drummond and Kappas (1981) Prevention of neonatal hyperbilirubinemia by tin protoporphyrin IX, a potent competitive inhibitor of haem oxidation. *Proc.Natl.Acad.Sci.U.S.A.* **78** 6466. PMID: 6947237.

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