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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Talaporfin (sodium salt)

Item No. 35722

CAS Registry No.: 220201-34-3
Formal Name: N-[2-[(7S,8S)-3-carboxy-7-(2-carboxyethyl)-13-ethenyl-18-ethyl-7,8-dihydro-2,8,12,17-tetramethyl-21H,23H-porphin-5-yl]acetyl]-L-aspartic acid, tetrasodium salt

Synonyms: Mono-L-aspartyl Chlorin e6, NPe6, Taporfin

MF: C₃₈H₃₇N₅O₉ • 4Na

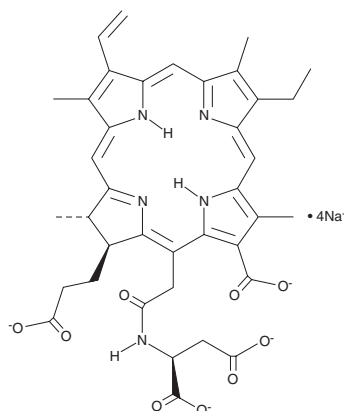
FW: 799.7

Purity: ≥95%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Talaporfin (sodium salt) is supplied as a solid. A stock solution may be made by dissolving the talaporfin (sodium salt) in the solvent of choice, which should be purged with an inert gas. Talaporfin (sodium salt) is soluble in DMSO.

Description

Talaporfin is a photosensitizer.¹ It induces apoptosis, DNA double-strand breaks (DSBs), and the production of reactive oxygen species (ROS) in TE-11R 5-fluorouracil-resistant esophageal squamous cell carcinoma (ESCC) cells when used at a concentration of 30 µg/ml in combination with radiation.² Talaporfin (2.5, 5, and 10 mg/kg) in combination with photodynamic therapy (PDT) reduces tumor growth in a TE-11R ESCC mouse xenograft model. Formulations containing talaporfin have been used as photosensitizers in PDT for the treatment of endobronchial cancer.

References

1. Dennis, E.J., Dolmans, G.J., Fukumura, D., *et al.* Photodynamic therapy for cancer. *Nature* **3**, 1-8 (2003).
2. Ohashi, S., Kikuchi, O., Tsurumaki, M., *et al.* Preclinical validation of talaporfin sodium-mediated photodynamic therapy for esophageal squamous cell carcinoma. *PLoS One* **9**(8), e103126 (2014).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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