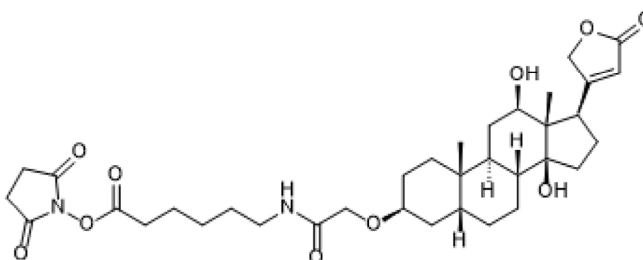


Product Name: Digoxigenin NHS ester**Catalog No.:** 7784**Batch No.:** 1

CAS Number: 129273-26-3

IUPAC Name: (3 β ,5 β ,12 β)-3-[2-[[6-[(2,5-Dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]amino]-2-oxoethoxy]-12,14-dihydroxycard-20(22)-enolide**1. PHYSICAL AND CHEMICAL PROPERTIES**

Batch Molecular Formula:	C ₃₅ H ₅₀ N ₂ O ₁₀
Batch Molecular Weight:	658.79
Physical Appearance:	White solid
Solubility:	DMSO to 100 mM DMF to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	

**2. ANALYTICAL DATA**

HPLC:	Shows 82.7% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

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Description:

Digoxigenin NHS ester is an NHS ester hapten for labeling amino groups within biomolecules (oligonucleotides or proteins). Digoxigenin NHS ester is also used for in situ hybridization.

Physical and Chemical Properties:

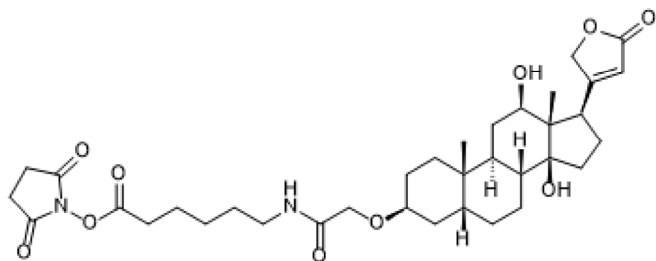
Batch Molecular Formula: C₃₅H₅₀N₂O₁₀

Batch Molecular Weight: 658.79

Physical Appearance: White solid

Minimum Purity: ≥80%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

DMF to 100 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Heyduk *et al* (2018) Peptide ligand-based ELISA reagents for antibody detection. *Anal.Biochem.* **559** 55. PMID: 30130491.

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