Overview

Product name: Digitonin, detergent for solubilizing receptors and cellular membranes

Description: Detergent for solubilizing receptors and cellular membranes

Biological description: Non-ionic detergent. Able to solubilize receptors and permeabilize cellular and nuclear membranes.

CAS Number: 11024-24-1

Chemical structure:

![Chemical structure of Digitonin](image)

Properties

Chemical name: (25R)-2-α,15-β-Dihydroxy-5-α-spirostan-3-β-yl β-D-glucopyranosyl-(1→3)-β-D-galactopyranosyl-(1→2)-[β-D-xylopyranosyl-(1→3)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside

Molecular weight: 1229.31

Molecular formula: C_{56}H_{92}O_{29}

PubChem identifier: 16219213

Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in water to 25 mM and in ethanol to 10 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.

Toxic, refer to SDS for further information.
Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**SMILES**

CC1CCC2(C(C3C(O2)C(C4C5(C6C(C7C(C8C9C(C(C9O)O)O)O)O)O)O)O)O)O)O)O)OC1

**Source**

*Digitalis purpurea*

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

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