

# Adapalene (sodium salt)

Catalog No: tcsc1790



## Available Sizes

**Size:** 50mg

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

911110-93-5

**Formula:**

$C_{28}H_{27}NaO_3$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

RAR/RXR

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

CD 271 sodium salt

**Observed Molecular Weight:**

434.5

## Product Description

Adapalene sodium salt(CD 271; Differin), a synthetic retinoid, is a Retinoic acid receptor agonist (RAR).

Target: Retinoic acid receptor agonist (RAR)

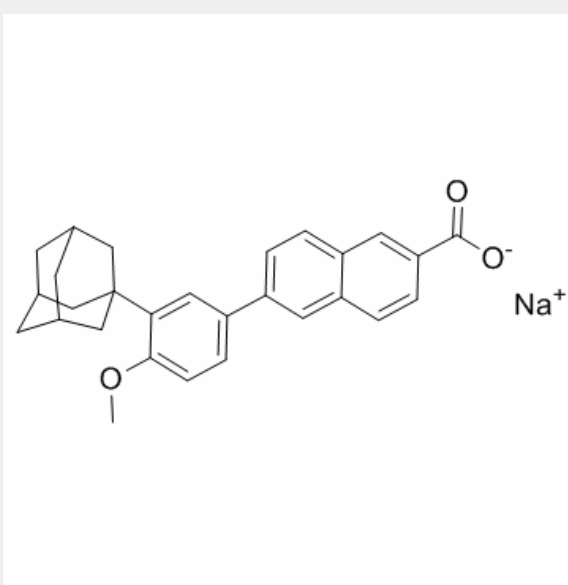
Adapalene sodium salt is a third-generation topical retinoid primarily used in the treatment of mild-moderate acne and is also used (off-label) to treat keratosis pilaris as well as other skin conditions. Adapalene sodium salt is possibly more effective than tretinoin 0.025% gel in the treatment of acne vulgaris [1].

Thirty-six rats of either sex were divided into six groups (two control groups, and an etodolac, indomethacin, tretinoin and adapalene sodium salt group) of six animals each. Each group was given different drugs or chemicals. The inhibitory activities of the drugs were determined on carrageenan-induced rat-paw oedema. The inhibition rate (53.48%) in the tretinoin group was found to be higher than adapalene sodium salt and controls (P

Clinical indications: Acne; Purpura; Sunburn

FDA Approved Date: 1996

Toxicity: Skin redness; dryness; itching; scaling; mild burning



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!