

Product Data Sheet

Product Name: Palitantin

Cat. No.: GC18964

Chemical Properties

Cas. No. 15265-28-8

Chemical Name (2R,3S,5R,6R)-rel-3-(1E,3E)-1,3-heptadien-1-yl-5,6-dihydroxy-2-(hydroxymethyl)-cyclohexanone

SMILES O=C1[C@H](O)[C@H](O)C[C@@H](/C=C/C=C/CCC)[C@@H]1CO

Formula $C_{14}H_{22}O_4$

M.Wt 254.3

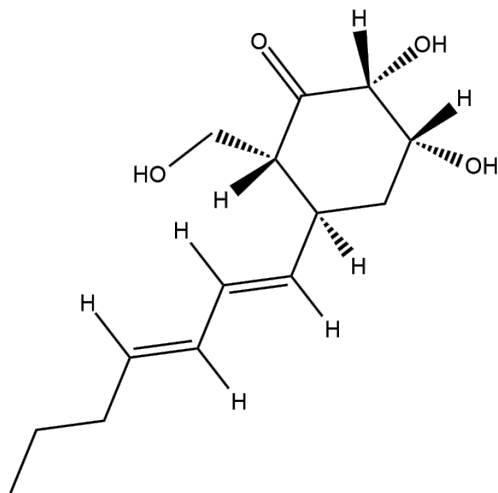
Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Palitantin is a fungal metabolite originally isolated from *P. palitans*. It inhibits HIV-1 integrase with IC₅₀ values of 350 and 268 μM for 3'-processing and strand transfer activity, respectively. Palitantin has been used as a standard for dereplication of natural products.

Caution: Product has not been fully validated for medical applications. For research use only.

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