

Retinyl glucoside

Catalog No: tcsc1553



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

136778-12-6

Formula:

$C_{26}H_{40}O_6$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Retinyl β -D-glucoside

Observed Molecular Weight:

448.59

Product Description

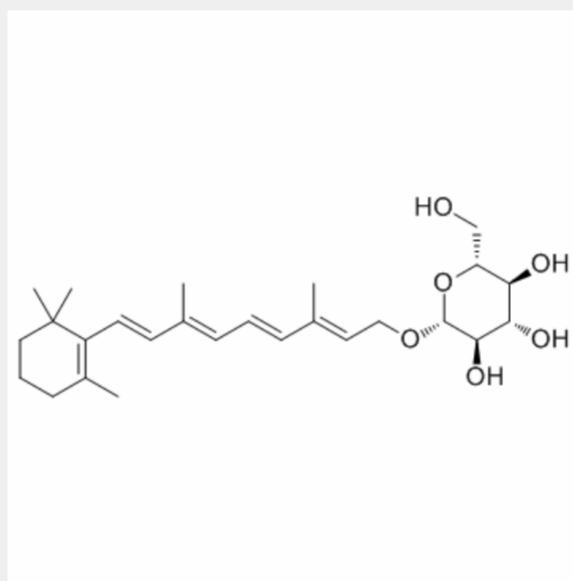
Retinyl- β -D-glucoside is a naturally occurring and biologically active metabolites of vitamin A, which are found in fish and mammals.

IC50 Value:

Target:

in vitro: Retinyl beta-D-glucoside is a substrate for two broad-specificity mammalian beta-glucosidases, namely the cytosolic and membrane-associated beta-glucosidases of guinea pig liver. However, retinyl beta-D-glucoside is not hydrolysed by placental glucocerebrosidase [1].

in vivo: Depending on the mode of administration, retinyl beta-glucose, which is soluble in water, showed 67-100% of the growth-promoting activity of retinyl acetate in vitamin A-deficient rats. In metabolic studies on vitamin A-deficient rats, retinyl beta-glucose was rapidly hydrolyzed to retinol [2].



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