

Product Name : Vitamin A

Synonyms : all-trans Retinol; all-trans Vitamin A; NSC 122759; Vitamin A1 alcohol

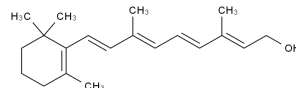
Cat No. : M15608

CAS Number : 68-26-8

Molecular Formula : C₂₀H₃₀O

Formula Weight : 286.45

Chemical Name : 3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2,4,6,8-nonatetraen-1-ol



Description : Retinol, also known as Vitamin A1, has pleiotropic functions including vision, immunity, hematopoiesis, reproduction, cell differentiation/growth, and development.

Pathway : Proteasome/Ubiquitin

Target : Endogenous Metabolite

Receptor : Retinol-binding protein

Solubility : Water: 0.671 mg/L

SMILES : OC/C=C(C)/C=C/C=C(C)/C=C/C=C(C)CCCC1(C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zhang M, et al. High-fat diet enhanced retinal dehydrogenase activity, but suppressed retinol dehydrogenase activity in liver of rats. J Pharmacol Sci. 2015 Apr;127(4):430-8. | 2. Miyazaki H, et al. Retinol status and expression of retinol-related proteins in methionine-choline deficient rats. J Nutr Sci Vitaminol (Tokyo). 2014;60(2):78-85.