
Product Data Sheet

Product Name: Taraxerol acetate

Cat. No.: GC39040

Chemical Properties

Cas. No. 2189-80-2

SMILES C[C@]12C3=CC[C@@](C)(CCC(C)(C)C4)[C@]4([H])[C@@]3(CC[C@]1([H])[C@@]5([C@@](C(C)([C@@H](OC(C)=O)CC5)C)([H])CC2)C)CFormula C₃₂H₅₂O₂ M.Wt 468.75

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**

Taraxerol acetate is a COX-1 and COX-2 inhibitor with IC₅₀ values of 116.3 μM and 94.7 μM, respectively. Taraxerol acetate has the anticancer potential and induces cell apoptosis[1].

[1]. Ubaid Ur Rehman¹ A, et al. Molecular docking of taraxerol acetate as a new COX inhibitor. Journal of the Bangladesh Pharmacological Society [2]. Hong JF, et al. Anticancer activity of taraxerol acetate in human glioblastoma cells and a mouse xenograft model via induction of autophagy and apoptotic cell death, cell cycle arrest and inhibition of cell migration. Mol Med Rep. 2016 Jun;13(6):4541-8.

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

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