
Product Data Sheet

Product Name: Impurity of Doxercalciferol

Cat. No.: GC36303

Chemical Properties

Cas. No. 127516-23-8

SMILES C=C([C@H](O)C[C@H](O)C1=C/C=C2[C@@]3([H])[C@@](CCC/2)(C)[C@@H]([C@H](C)/C=C/[C@H](C)C(C)C)CC3Formula C₂₈H₄₄O₂

M.Wt 412.65

Solubility DMSO : 100 mg/mL (242.34 mM;
Need ultrasonic)Storage 4°C, protect from light, stored
under nitrogen

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**

Impurity of Doxercalciferol is an impurity of doxercalciferol, which is a synthetic analog of ergocalciferol (vitamin D₂), used as a drug for secondary hyperparathyroidism and metabolic bone disease, and it suppresses parathyroid synthesis and secretion.

[1]. Duggal J, et al. Involvement of microRNA181a in differentiation and cell cycle arrest induced by a plant-derived antioxidant carnosic acid and vitamin D analog doxercalciferol in human leukemia cells. *Microna*. 2012;1(1):26-33.

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

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