Product Data Sheet

Product Name: 6-hydroxy Bexarotene
Cat. No.: GC18632

Chemical Properties

Cas. No.	368451-07-4		
Chemical Name	4-[1-(5,6,7,8-tetrahydro-6-hydroxy-3,5,5,8,8-pentamethyl-2-naphthalenyl)ethenyl]-benzoic acid		
SMILES	CC(C(C(C1=CC=C(C(O)=O)C=C1)=C)=C2)=CC3=C2C(C)(C)CC(O)C3(C)C		
Formula	$C_{24}H_{28}O_3$	M.Wt	364.5
Solubility	DMF: 20 mg/ml,DMF:PBS (pH 7.2)(1:3): 0.25 mg/ml,DMSO: 10 mg/ml,Ethanol: 0.5 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	6-hydroxy Bexarotene		

Background

6-hydroxy Bexarotene is an oxidative metabolite of bexarotene , a high-affinity ligand for retinoid X receptors (RXRs). 6-hydroxy Bexarotene binds to RXRα, RXRβ, and RXRγ as well as retinoic acid receptor α (RARα; Kds = 3.46, 4.21, 4.83, and 8.17 μM, respectively). It selectively activates RXRα, RXRβ, and RXRγ over RARα, RARβ, and RARγ in vitro (EC50s = 398, 356, 420, 4,414, 2,121, and 2,043 nM, respectively).

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