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**Product Data Sheet**

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Product Name: THPN  
Cat. No.: GC50318

**Chemical Properties**

Cas. No. 100079-26-3

SMILES CCCCCCCCC(C1=CC(O)=C(C(O)=C1)O)=O

Formula  $C_{15}H_{22}O_4$  M.Wt 266.33

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**

Nur77 agonist. Binds Nur77 and promotes translocation of the receptor to the mitochondria resulting in autophagy in melanoma cell lines.

Wang et al (2014) Orphan nuclear receptor TR3 acts in autophagic cell death via mitochondrial signaling pathway. Nat.Chem.Biol. 10 133 PMID:24316735 |Li et al (2015) Impeding the interaction between Nur77 and p38 reduces LPS-induced inflammation. Nat.Chem.Biol. 11 339 PMID:25822914

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

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