

Product Name: HX 630

Catalog No.: 3913

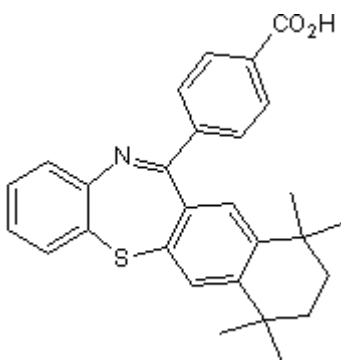
Batch No.: 1

CAS Number: 188844-52-2

IUPAC Name: 4-(7,8,9,10-Tetrahydro-7,7,10,10-tetramethylbenzo[*b*]naphtho[2,3-*f*][1,4]thiazepin-12-yl)-benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₂₇NO₂S
Batch Molecular Weight: 441.58
Physical Appearance: Yellow solid
Solubility: DMSO to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Chloroform:Methanol [95:5])
HPLC: Shows 98.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	76.16	6.16	3.17
Found	75.88	6.23	3.17

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

RXR agonist. Acts as a retinoid synergist; enhances the potency of AM 80 (Cat. No. 3507) in a HL-60 cell differentiation assay.

Physical and Chemical Properties:

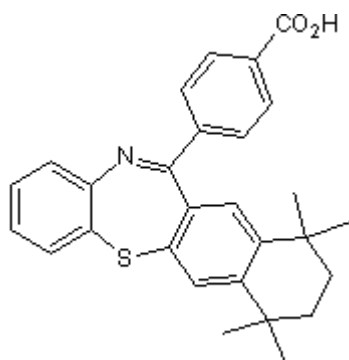
Batch Molecular Formula: C₂₈H₂₇NO₂S

Batch Molecular Weight: 441.58

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Umemiya *et al* (1997) Regulation of retinoidal actions by diazepinylbenzoic acids. Retinoid synergists which activate the RXR-RAR heterodimers. *J.Med.Chem.* **40** 4222. PMID: 9435893.

Ohashi *et al* (2002) Effect of natural and synthetic retinoids on the proliferation and differentiation of three canine melanoma cell lines. *J.Vet.Med.Sci.* **64** 169. PMID: 11913557.

Ishida *et al* (2003) Clinically potential subclasses of retinoid synergists revealed by gene expression profiling. *Mol.Cancer Ther.* **2** 49. PMID: 12533672.

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