

Product Name: BMS 493

Catalog No.: 3509

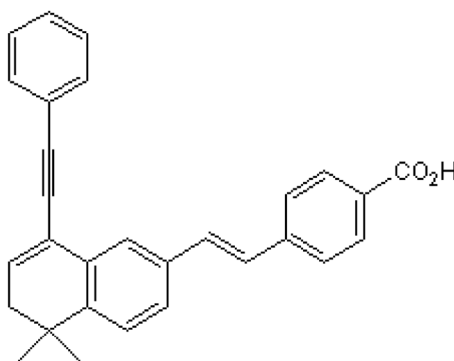
Batch No.: 3

CAS Number: 215030-90-3

IUPAC Name: 4-[(1E)-2-[5,6-Dihydro-5,5-dimethyl-8-(2-phenylethynyl)-2-naphthalenyl]ethenyl]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₉H₂₄O₂·¼H₂O
Batch Molecular Weight: 409
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	85.16	6.04	
Found	84.62	6.07	

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

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Description:

BMS 493 is a pan-retinoic acid receptor (pan-RAR) inverse agonist. Enhances nuclear corepressor (NCoR) interaction with RARs. Binding induces analogous conformational changes in all RAR types (RAR α , RAR β and RAR γ).

Physical and Chemical Properties:

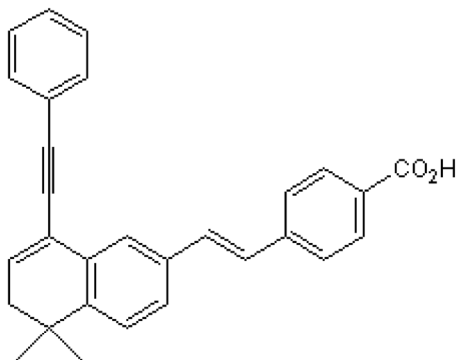
Batch Molecular Formula: C₂₉H₂₄O₂·¼H₂O

Batch Molecular Weight: 409

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at +4°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 100 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Germain *et al* (2009) Differential action on coregulator interaction defines retinoid agonists and neutral antagonists. *Chem.Biol.* **16** 479. PMID: 19477412.

Rinkevich *et al* (2007) Systemic bud induction and retinoic acid signaling underlie whole body regeneration in the urochordate *Botrylloides leachi*. *PLoS Biology.* **5** e71. PMID: 17341137.

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