Product Name: AGN 193109  
Catalog No.: 5758  
Batch No.: 5

CAS Number: 171746-21-7  
IUPAC Name: 4-[2-[5,6-Dihydro-5,5-dimethyl-8-(4-methylphenyl)-2-naphthalenyl]ethynyl]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{28}\text{H}_{24}\text{O}_{2}\cdot{\frac{1}{4}}\text{H}_{2}\text{O}$
Batch Molecular Weight: 396.99
Physical Appearance: White solid
Solubility: DMSO to 20 mM with gentle warming
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
$^1$H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: AGN 193109

CAS Number: 171746-21-7
IUPAC Name: 4-[2-[5,6-Dihydro-5,5-dimethyl-8-(4-methylphenyl)-2-naphthalenyl]ethynyl]benzoic acid

Description:
High affinity pan-retinoic acid receptor (RAR) antagonist (K_d values are 2, 2 and 3 nM at RARα, RARβ and RARγ, respectively). Exhibits no significant affinity for retinoic X receptors.

Physical and Chemical Properties:
Batch Molecular Formula: C_{28}H_{24}O_{3}.\frac{1}{4}H_{2}O
Batch Molecular Weight: 396.99
Physical Appearance: White solid
Minimum Purity: >97%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 20 mM with gentle warming

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: