Product Name: A 77636 hydrochloride

CAS Number: 145307-34-2

IUPAC Name: (1R-cis)-1-(Aminomethyl)-3,4-dihydro-3-tricyclo[3.3.1.13,7]dec-1-yl-[1H]-2-benzopyran-5,6-diol hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C_{20}H_{27}NO_{3}.HCl.H_{2}O
   Batch Molecular Weight: 383.92
   Physical Appearance: Off White solid
   Solubility: water to 100 mM
               ethanol to 100 mM
               DMSO to 100 mM
   Storage: Store at -20°C

2. ANALYTICAL DATA

   HPLC:
   Shows >99.5% purity

   \(^1\)H NMR:
   Consistent with structure

   Mass Spectrum:
   Consistent with structure

   Optical Rotation:
   \([\alpha]_D = -79.2\) (Concentration = 0.93, Solvent = Methanol)

   Microanalysis:
   Carbon Hydrogen Nitrogen
   Theoretical 62.57 7.88 3.65
   Found 62.69 7.96 3.65

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

**Product Name:** A 77636 hydrochloride  
**Catalog No.:** 1701  
**Batch No.:** 5  
**CAS Number:** 145307-34-2  
**IUPAC Name:** (1R-cis)-1-(Aminomethyl)-3,4-dihydro-3-tricyclo[3.3.1.13,7]deca-1-yl-[1H]-2-benzopyran-5,6-diol hydrochloride

**Description:**  
Potent and selective dopamine D₁-like receptor agonist (pEC₅₀ values are 8.97 and < 5 for D₁-like and D₂-like receptors respectively). Displays anti-Parkinsonian activity following oral administration in vivo.

**Physical and Chemical Properties:**  
- **Batch Molecular Formula:** C₂₀H₂₇NO₅.HCl.H₂O  
- **Batch Molecular Weight:** 383.92  
- **Physical Appearance:** Off White solid  
- **Minimum Purity:** >98%

**Storage:** Store at -20°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:**  
- water to 100 mM  
- ethanol to 100 mM  
- 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. 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:**  