

## Certificate of Analysis

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**Product Name:** CP 775146

**Catalog No.:** 4190

**Batch No.:** 1

CAS Number: 702680-17-9

IUPAC Name: 2-Methyl-2-[3-[(3S)-1-[2-[4-(1-methylethyl)phenyl]acetyl]-3-piperidinyl]phenoxy]-propanoic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:**  $C_{26}H_{33}NO_4 \cdot \frac{1}{2}H_2O$

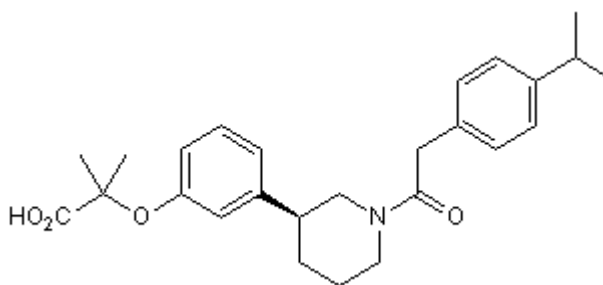
**Batch Molecular Weight:** 432.55

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99.5% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

Carbon Hydrogen Nitrogen

Theoretical 72.2 7.92 3.24

Found 72.42 7.79 3.35

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

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**Description:**

Selective, high affinity PPAR $\alpha$  agonist ( $K_i$  values are 24.5 nM for PPAR $\alpha$  and >10  $\mu$ M for PPAR $\beta$  and PPAR $\gamma$  in vitro). Exhibits hypolipidemic activity in vivo.

**Physical and Chemical Properties:**

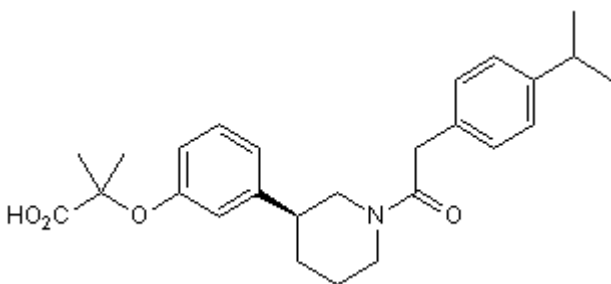
Batch Molecular Formula: C<sub>26</sub>H<sub>33</sub>NO<sub>4</sub>·½H<sub>2</sub>O

Batch Molecular Weight: 432.55

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at RT

**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. 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:**

**Kane et al** (2009) Molecular characterization of novel and selective peroxisome proliferator-activated receptor  $\alpha$  agonists with robust hypolipidemic activity *in vivo*. *Mol.Pharmacol.* **75** 296. PMID: 18971326.

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