

Certificate of Analysis

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Product Name: OUL 35

Catalog No.: 6344

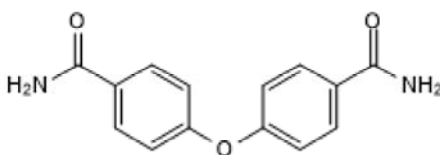
Batch No.: 1

CAS Number: 6336-34-1

IUPAC Name: 4,4'-Oxybis[benzamide]

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₂N₂O₃
Batch Molecular Weight: 256.26
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.62	4.72	10.93
Found	65.56	4.67	10.86

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

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Product Name: OUL 35

Catalog No.: 6344

Batch No.: 1

CAS Number: 6336-34-1

IUPAC Name: 4,4'-Oxybis[benzamide]

Description:

Selective PARP-10 (also known as ADP-ribosyltransferase Diphtheria Toxin-like 10, ARTD10) inhibitor ($IC_{50} = 0.329 \mu M$). Displays selectivity for PARP-10 over a panel of PARP family members. Rescues HeLa cells from PARP-10-induced cell death. Sensitizes cancer cells to hydroxyurea-induced genotoxic stress.

Physical and Chemical Properties:

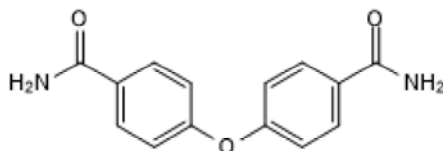
Batch Molecular Formula: $C_{14}H_{12}N_2O_3$

Batch Molecular Weight: 256.26

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Venkannagari *et al* (2016) Small-molecule chemical probe rescues cells from mono-ADP-ribosyltransferase ARTD10/PARP10-induced apoptosis and sensitizes cancer cells to DNA damage. *Cell Chem.Biol.* **23** 1251. PMID: 27667561.

Storage: Store at +4°C

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.

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