

Product Name: UPF 1069

Catalog No.: 3736

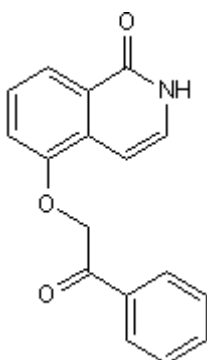
Batch No.: 2

CAS Number: 1048371-03-4

IUPAC Name: 5-(2-Oxo-2-phenylethoxy)-3,4-dihydroisoquinolin-1(2H)-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₃NO₃·½H₂O
Batch Molecular Weight: 288.3
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.18 (Dichloromethane:Methanol [19:1])
HPLC: Shows 99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	70.82	4.89	4.86
Found	71.21	4.66	4.97

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

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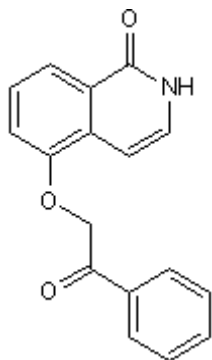
Description:

Selective poly(ADP-ribose) polymerase (PARP) 2 inhibitor (IC₅₀ values are 0.3 and 8.0 μM for PARP-2 and PARP-1 respectively).

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Batch Molecular Weight: 288.3

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:

Pellicciari et al (2008) On the way to selective PARP-2 inhibitors. Design, synthesis and preliminary evaluation of a series of isoquinolinone derivatives. *Chem.Med.Chem* **3** 914.

Moroni et al (2009) Selective PARP-2 inhibitors increase apoptosis in hippocampal slices but protect cortical cells in models of post-ischaemic brain damage. *Br.J.Pharmacol.* **157** 854. PMID: 19422384.

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