

UPF 1069

Catalog No: tcsc1466



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

1048371-03-4

Formula:

$C_{17}H_{13}NO_3$

Pathway:

Epigenetics;Cell Cycle/DNA Damage

Target:

PARP;PARP

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (358.05 mM)

Observed Molecular Weight:

279.29

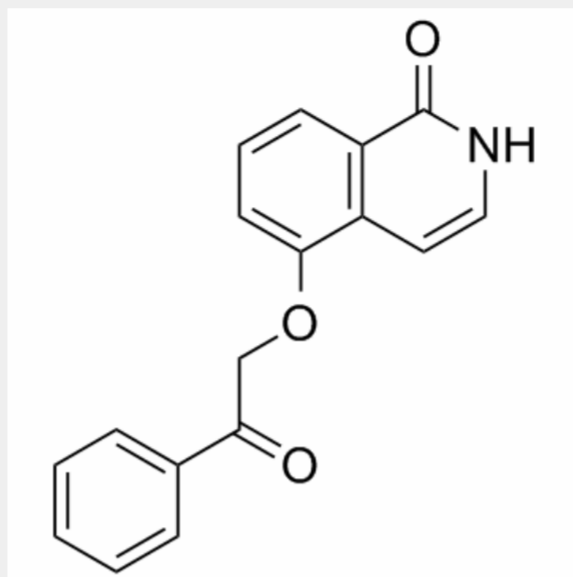
Product Description

UPF 1069 is a **PARP** inhibitor, with **IC₅₀**s of 8 and 0.3 μ M for PARP-1 and PARP-2, respectively.

IC50 & Target: IC50: 8 μ M (PARP-1), 0.3 μ M (PARP-2)^{[1][2]}

In Vitro: UPF 1069 (Compound 55) is a PARP inhibitor, with IC₅₀s of 8 and 0.3 μ M for PARP-1 and PARP-2, respectively^[1]. UPF 1069 (1 μ M) reduces the residual PARP activity by approximately 80% of PARP-1-deficient fibroblasts, but only slightly inhibits the enzymic

activity in wild-type fibroblasts. UPF 1069 (0.1-1 μM) markedly enhances CA1 hippocampal damage. UPF 1069 (10 μM) also exacerbates oxygen-glucose deprivation (OGD) damage in organotypic hippocampal slices. However, UPF 1069 alleviates the damage caused by OGD in mixed cortical cell cultures, shows a potent neuroprotective activity both at a concentration (1 μM) selectively acting on PARP-2 and at a concentration (10 μM) inhibiting both PARP-1 and PARP-2 activities^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!