

UPF-1069, PARP-2 inhibitor

Catalog	Unit
TBI3779-5MG	5 mg
TBI3779-25MG	25 mg

Product Details

Formal Name: 5-(2-Oxo-3-phenylethoxy)-1(2H)-isoquinolinone

Molecular Formula: C₁₇H₁₃NO₃

Formula Weight: 279.30

CAS Number: 1048371-03-4

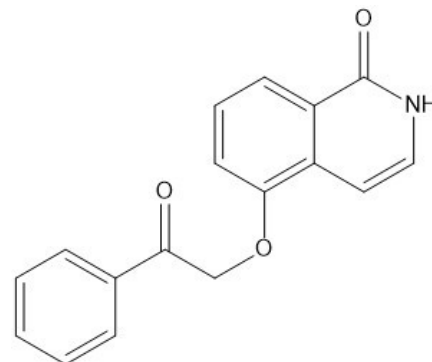
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO up to 40 mg/ml

Storage: -20°C

Stability: ≥ 2 years.



Applications

PARP-2 inhibitor

Functions

PARP inhibitor selective for PARP-2 (IC₅₀=0.3 μM; ~ 27-fold selective against PARP-1). Increases apoptosis in hippocampal slices but protects cortical cells in models of post-ischemic brain damage. Blocks the interaction between PARP-2 and FOXA1, attenuating androgen receptor-mediated gene expression and inhibiting androgen receptor-positive prostate cancer growth.

Application Procedures

First dissolved in DMSO up to 40 mg/ml, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.