

GK921

Catalog No: tcsc3347



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1025015-40-0

Formula:

$C_{21}H_{20}N_4O$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 30 mg/mL (87.11 mM)

Observed Molecular Weight:

344.41

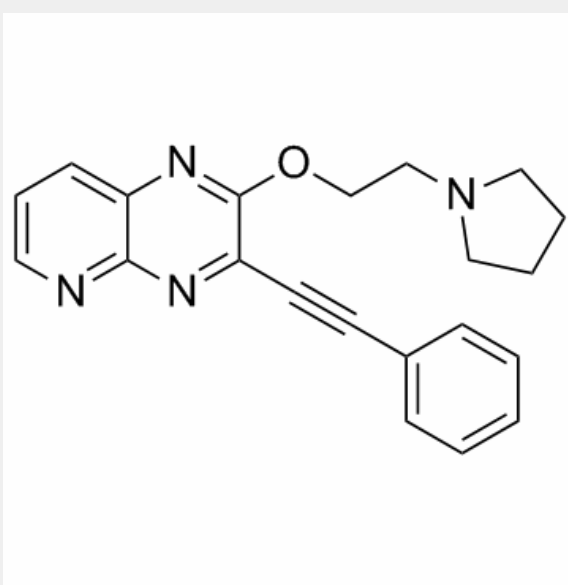
Product Description

GK921 is a transglutaminase 2 (**TGase**) inhibitor with an **IC₅₀** of 7.71 μ M for human recombinant TGase 2.

IC50 & Target: IC50: 7.71 μ M (TGase)^[1]

In Vitro: GK921 inhibits the TGase 2-induced polymerization of I- κ B α and p53 in a dose-dependent manner. The cytotoxicity of GK921 ranged from GI₅₀ of 10^{-10} to 10^{-4} M. The average GI₅₀ is 9.05×10^{-7} M. GK921 rescues p53 levels and consequently induces apoptosis; a concentration-dependent increase in cleaved poly(ADP-ribose) polymerase (c-PARP) and p53 levels is observed^[1].

In Vivo: A single treatment with GK921 almost completely reduces tumor growth by stabilizing p53 in the ACHN and CAKI-1 preclinical xenograft tumor models^[1].



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