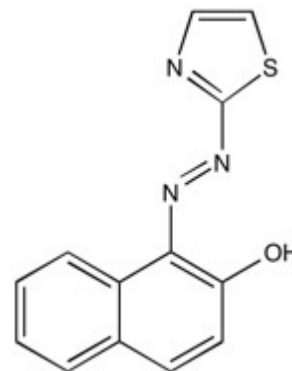


Catalog	Unit
TBI4290-10MG	10 mg
TBI4290-50MG	50 mg

Product Details

Formal Name: 1-(2-Thiazolylazo)-2-naphthol
Alternate Names: NSC139021
Molecular Formula: C₁₃H₉N₃OS
Formula Weight: 255.30
CAS Number: 1147-56-4
Purity: >98%
Formulation: Powder
Solubility: Soluble in DMSO (up to at least 10 mg/ml)
Storage: -20°C
Stability: ≥ 1 year.



Applications

Highly selective ERG inhibitor

Functions

ERGi-USU selectively inhibits the growth of ERG-positive VCaP prostate cancer cells, COLO320 colon cancer cells, KG-1 and MOLT-4 leukemia cells with minimal effect on ERG-negative cells or normal prostate or endothelial cells (IC₅₀ = 169 nM for cell growth and 315 nM for ERG protein in VCaP cells). It selectively inhibits the kinase R1OK2 (K_d = 200 nM) causing disruption of ribosomal biogenesis and ribosomal stress.

Application Procedures

First dissolved in DMSO (up to at least 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.