

Catalog	Unit
TBI2850-5MG	5 mg
TBI2850-25MG	25 mg

Product Details

Formal Name: N-(2-Bromophenyl)-N'-(2-hydroxy-4-nitrophenyl)urea

Molecular Formula: C₁₃H₁₀BrN₃O₄

Formula Weight: 352.14

CAS Number: 182498-32-4

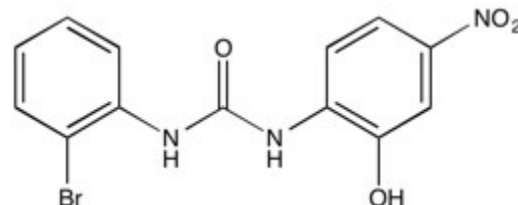
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 15 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

CXCR2 antagonist

Functions

Potent and selective CXCR2 receptor antagonist (IC₅₀ = 22 nM). Displays >150-fold selectivity over CXCR1 receptors. Induces apoptosis in both wild-type and p53-deficient ovarian cancer cells (OVCA) via p53 activation and by inducing mitotic catastrophe. Blocks IL-8-mediated cellular effects such as oxidative stress-induced cellular senescence and neutrophil chemotaxis. Inhibits HIV replication in lymphocytes and macrophages. Inhibits endothelial activation and leukocyte recruitment to cerebral microvessels during neuroinflammation.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml) or in Ethanol (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.