
Catalog	Unit
TBI2575-5MG	5 mg
TBI2575-25MG	25 mg

Product Details

Formal Name: 5-(6-Quinoxalinylmethylene)-2,4-thiazolidine-2,4-dione

Molecular Formula: C₁₂H₇N₃O₂S

Formula Weight: 257.27

CAS Number: 648450-29-7

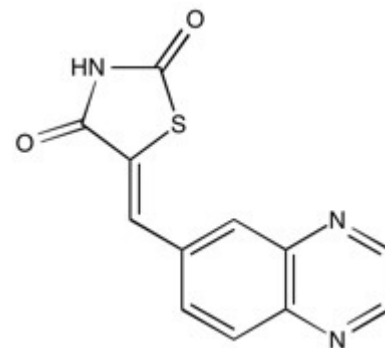
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 1.5 mg/ml with warming)

Storage: -20°C

Stability: ≥ 2 years.



Applications

PI 3-Kinase inhibitor

Functions

Potent and selective inhibitor of PI 3-kinase γ (PI 3-K γ), IC₅₀ = 8 nM displaying 30-fold selectivity over PI 3-K δ and PI 3-K β and 7.5-fold selectivity over PI 3-K α . Suppresses joint inflammation in two distinct mouse models. Ameliorates surgical brain injury, colitis, intimal hyperplasia-induced inflammatory processes and renal injury/fibrosis in rodent models. Orally active.

Application Procedures

First dissolved in DMSO (up to 1.5 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.