

C16, PKR kinase inhibitor

Catalog	Unit
TBI1329-5MG	5 mg
TBI1329-25MG	25 mg

Product Details

Formal Name: 6,8-Dihydro-8-(1H-imidazol-5-ylmethylene)-7H-pyrrolo[2,3-g]benzothiazol-7-one

Molecular Formula: C₁₃H₈N₄OS

Formula Weight: 268.30

CAS Number: 608512-97-6

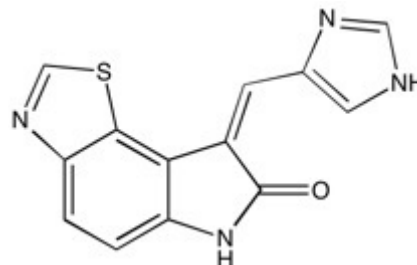
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 15 mg/ml, with warming).

Storage: -20°C

Stability: ≥ 2 years.



Applications

PKR kinase inhibitor

Functions

Inhibits RNA-dependent protein kinase (PKR, IC₅₀ = 210 nM). Inhibits ER stress-induced neuronal damage. Reduces brain PKR activation in vivo. Prevents apoptosis and IL-1 β production in an acute excitotoxic and neuroinflammatory rat model. Prevents β -amyloid peptide-induced inflammation in primary murine mixed co-cultures. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 15 mg/ml, with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

For research use only.