

Mirin, Mre11-Rad50-Nbs1 inhibitor

Catalog	Unit
TBI1069-5MG	5 mg
TBI1069-25MG	25 mg

Product Details

Formal Name: 2-Amino-5-[(4-hydroxyphenyl)methylene]-4(5H)-thiazolone

Molecular Formula: C₁₀H₈N₂O₂S

Formula Weight: 220.30

CAS Number: 1198097-97-0

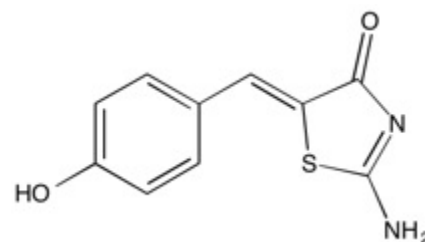
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Mre11-Rad50-Nbs1 inhibitor

Functions

Mirin is an inhibitor of the Mre11/Rad50/Nbs1 (MRN) complex which functions as a DNA damage sensor and activates ataxia-telangiectasia mutated kinase (ATM), a DNA repair enzyme. Mirin blocks the 3' and 5' exonuclease activity of Mre11. It enhances the killing of glioblastoma cells after treatment with alkylating agents such as lomustine. A very useful tool for determining the involvement of Mre11 in DNA damage response.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.