

Gue-1654, OXE-R antagonist

Catalog	Unit
TBI1425-5MG	5 mg
TBI1425-25MG	25 mg

Product Details

Formal Name: N-[7-(Methylthio)benzo[1,2-d:4,3-d']bisthiazol-2-yl]- α -phenylbenzeneacetamide

Molecular Formula: C₂₃H₁₇N₃OS₃

Formula Weight: 447.59

CAS Number: 397290-30-1

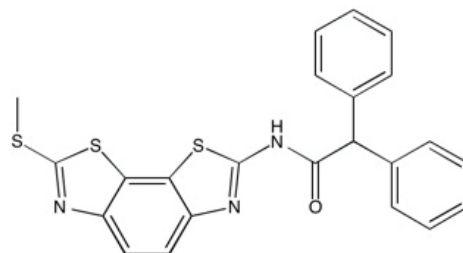
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (40 mg/ml)

Storage: -20°C

Stability: \geq 1 year.



Applications

OXE-R antagonist

Functions

Gue1654 is a biased antagonist for the oxoeicosanoid receptor 1 (OXE-R, GPR170)1, the receptor for 5-Oxo-EETE, a proinflammatory eicosanoid. It selectively inhibits G $\beta\gamma$ but not G αi signaling upon activation of the G αi - $\beta\gamma$ heterotrimer by OXE-R. Gue1654 alleviated coronary artery ligation-induced ischemic myocardial injury in a mouse model.

Application Procedures

First dissolved in DMSO (40 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.