

Catalog	Unit
TBI3417-5MG	5 mg
TBI3417-25MG	25 mg

Product Details

Formal Name: (1S,3R)-Methyl 2-(2-chloroacetyl)-2,3,4,9-tetrahydro-1-[4-(methoxycarbonyl)phenyl]-1H-pyrido[3,4-b]indole-3-carboxylate

Alternate Names: 1S,3R-RSL3

Molecular Formula: C₂₃H₂₁ClN₂O₅

Formula Weight: 440.90

CAS Number: 1219810-16-8

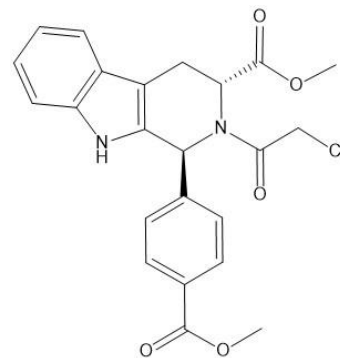
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 45 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

GPX4 Inhibitor / Ferroptosis inducer

Functions

Inhibits glutathione peroxidase (GPX4) inducing ferroptosis. Effectively induces ferroptosis in glioblastoma cells. Everolimus in combination with RSL3 synergistically inhibits the viability of renal cell carcinoma (RCC) cells suggesting a mechanism by which RCC drug resistance may be overcome.

Application Procedures

First dissolved in DMSO (up to 45 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month

For research use only.