

CFM-4, CARP-1 mimetic

Catalog	Unit
TBI1493-5MG	5 mg
TBI1493-25MG	25 mg

Product Details

Formal Name: 1-[(2-Chlorophenyl)methyl]-5'-phenyl-spiro[3H-indole-3,2'(3'H)-[1,3,4]thiadiazol]-2(1H)-one

Molecular Formula: C₂₂H₁₆ClN₃OS

Formula Weight: 405.90

CAS Number: 331458-02-7

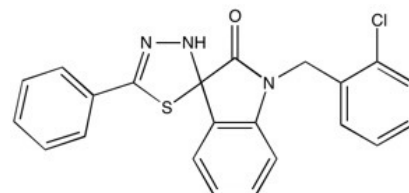
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (greater than 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

CARP-1 mimetic

Functions

CARP-1 functional mimetic. Interferes with CARP-1 binding to APC-2 (IC₅₀=10-15 μM). Enhances CARP-1 expression and induces G2/M cell cycle arrest. Induces apoptosis and suppresses growth of medulloblastoma cells and malignant pleural mesothelioma cells.

Application Procedures

First dissolved in DMSO (greater than 25 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.