

ITD-1, TGF β inhibitor

Catalog	Unit
TBI3707-5MG	5 mg
TBI3707-25MG	25 mg

Product Details

Formal Name: 4-[1,1'-Biphenyl]-4-yl-1,4,5,6,7,8-hexahydro-2,7,7-trimethyl-5-oxo-3-quinolinecarboxylic acid ethyl ester

Molecular Formula: C₂₇H₂₉NO₃

Formula Weight: 415.5

CAS Number: 1099644-42-4

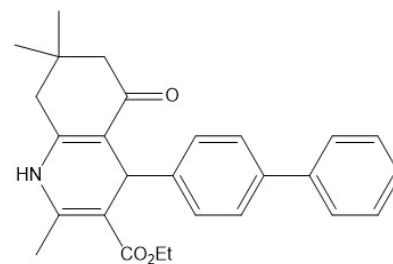
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 8 mg/ml) or in Ethanol (up to 4 mg/ml, warm)

Storage: -20°C

Stability: $\geq$ 2 years.



Applications

TGF β inhibitor

Functions

Selective inhibitor of TGF β signaling (IC₅₀=0.85 μ M). Induces proteasomal degradation of TGF β type II receptor. Induces cardiomyocyte differentiation in embryonic stem cells.

Application Procedures

First dissolved in DMSO (up to 8 mg/ml) or in Ethanol (up to 4 mg/ml, warm), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.