

Catalog	Unit
TBI4657-5MG	5 mg
TBI4657-25MG	25 mg

Product Details

Formal Name: N'-[N'-(4-(Trifluoromethoxy)phenyl)carbamimidoyl]pyrrolidine-1-carboxamidine

Alternate Names: HL156A

Molecular Formula: C₁₃H₁₆F₃N₅O

Formula Weight: 315.30

CAS Number: 1422365-93-2

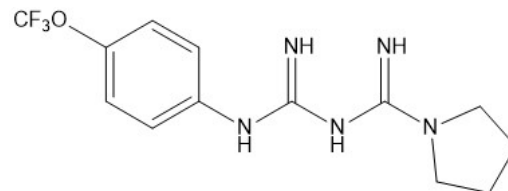
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

AMPK activator/Mitochondrial protein complex I inhibitor

Functions

Potent activator of AMP-activated protein kinase (AMPK) showing greater activity than metformin or AICAR. It displayed protective effects in vivo against peritoneal, liver, renal, and pulmonary fibrosis. IM156 induces metabolic stress in Myc+ lymphoma cells by inhibiting TCA cycle metabolism and mitochondrial respiration (inhibits mitochondrial protein complex 1). IM156 acts as an antiproliferative in several cancer models.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.