
Catalog	Unit
TBI4627-5MG	5 mg
TBI4627-25MG	25 mg

Product Details

Formal Name: 4-(1-Methylethoxy)-N-(2-methyl-8-quinolinyl)benzamide

Molecular Formula: C₂₀H₂₀N₂O₂

Formula Weight: 320.40

CAS Number: 892711-75-0

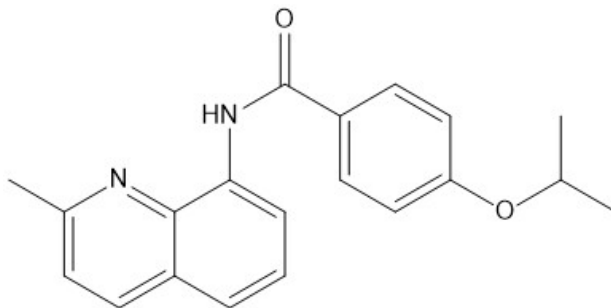
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

SERCA activator (allosteric)

Functions

Allosteric activator of the sarco/endoplasmic reticulum Ca²⁺-ATPase (SERCA). It lowered fasting glucose levels, improved glucose tolerance, and ameliorated hepatitis steatosis in ob/ob mice. CDN1163 also rescued neurons from ER-stress-induced cell death in vitro and displayed significant efficacy in a rat 6-hydroxydopamine (6-OHDA) model of Parkinson's disease. It reduced age-related muscle atrophy and weakness in a C57BL/6J mice. CDN1163 decreased inflammatory cytokines and chemokines and attenuated mitochondrial dysfunction in Influenza A infected H1395 cells.

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 3 months.

For research use only.