

NLRP3i, NLRP3 inflammasome inhibitor

Catalog	Unit
TBI3672-20MG	20mg
TBI3672-100MG	100mg

Product Details

Formal Name: 4-[2-(5-Chloro-2-methoxybenzamido)ethyl]phenylsulfonamide

Alternate Names: JC121

Molecular Formula: C₁₆H₁₇ClN₂O₄S

Formula Weight: 368.80

CAS Number: 16673-34-0

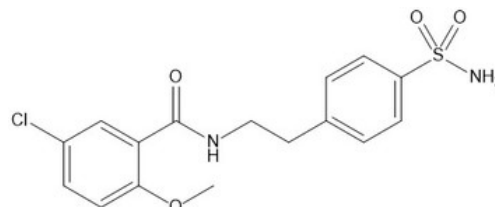
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO up to 45 mg/ml

Storage: RT

Stability: ≥ 3 years.



Applications

NLRP3 inflammasome inhibitor

Functions

NLRP3 inflammasome inhibitor which likely acts via interfering with the formation of the NLRP3 inflammasome complex and which exhibits promising in vivo protective activities in mouse acute myocardial infarction models. It blocks ASC aggregation, blocks the release of IL-1 β and the activation of caspase-1 in macrophages expressing constitutively active NLRP3 but does not directly inhibit caspase-1. Limits infarct size after myocardial ischemia-reperfusion as well as leukocyte infiltration in a peritonitis model in mice.

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 3 months.

For research use only.