

Teprenone, HSP70 inducer

Catalog	Unit
TBI2262-10MG	10 mg
TBI2262-50MG	50 mg

Product Details

Formal Name: 6,10,14,18-Tetramethyl-5,9,13,17-nonadecatetraen-2-one

Alternate Names: Geranylgeranylacetone; GGA

Molecular Formula: C₂₃H₃₈O

Formula Weight: 350.55

CAS Number: 6809-52-5

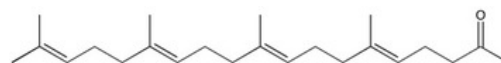
Purity: >98%

Formulation: Oil

Solubility: Soluble in DMSO (up to 30 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

HSP70 inducer

Functions

Induces expression of HSP70 after various types of stimuli. Protects against visceral adiposity and insulin resistance in high fat fed mice. Displays protective effects via enhanced induction of HSPB1 and HSPB8 in mitochondria of the failing heart following myocardial infarction in rats.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.