Induces expression of HSP70 after various types of stimuli.\textsuperscript{1,2} Protects against visceral adiposity and insulin resistance in high fat fed mice.\textsuperscript{3} Displays protective effects via enhanced induction of HSPB1 and HSPB8 in mitochondria of the failing heart following myocardial infarction in rats.\textsuperscript{4}

1) Kamal and Omran (2013) \textit{The role of heat shock protein 70 induced by geranylgeranylacetone in carbon tetrachloride-exposed adult rat testes}; Pathophysiology 20 139

**PHYSICAL DATA**

Molecular Weight: 330.55  
Molecular Formula: C\textsubscript{23}H\textsubscript{38}O  
Purity: >95% (GC)  
NMR: (Conforms)  
Solubility: DMSO (up to 30 mg/ml)  
Physical Description: Colorless oil (mixture of cis and trans isomers at C5)  
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Protect from exposure to air. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.