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Product Datasheet

Piperlongumine, CAS [[20069-09-4]] FBM-10-2377

Artikelname	Piperlongumine, CAS [[20069-09-4]]
Artikelnummer	FBM-10-2377
Hersteller Artikelnummer	10-2377
Alternativnummer	FBM-10-2377-20MG,FBM-10-2377-100MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Glutathione sponge / Increases ROS levels...
Molekulargewicht	317.34
Reinheit	98% by TLC, NMR (conforms)
Formulierung	Cream-colored solid
CAS Nummer	[20069-09-4]
Formel	C17H19NO5
Anwendungsbeschreibung	Elevates cellular levels of reactive oxygen species selectively in cancer cell lines¹. Irreversible glutathionylation leading to depletion of cellular glutathione is associated with its cellular toxicity². Piperlongamine does not appear to have any effect on normal cells. Displays anti-tumor effects in a mouse xenograft tumor model as well as in spontaneously formed malignant breast tumors in mice¹. Elevation of ROS levels may be due to inhibition of ubiquitin-proteasome system at a pre-proteasomal step.³