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## Product Datasheet

### Piperlongumine, CAS [[20069-09-4]]

### FBM-10-2377

Article Name	Piperlongumine, CAS [[20069-09-4]]
Biozol Catalog Number	FBM-10-2377
Supplier Catalog Number	10-2377
Alternative Catalog Number	FBM-10-2377-20MG, FBM-10-2377-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Glutathione sponge / Increases ROS levels...
Molecular Weight	317.34
Purity	98% by TLC, NMR (conforms)
Form	Cream-colored solid
CAS Number	[20069-09-4]
Formula	C17H19NO5
Application Notes	Elevates cellular levels of reactive oxygen species selectively in cancer cell lines <sup>1</sup> . Irreversible glutathionylation leading to depletion of cellular glutathione is associated with its cellular toxicity <sup>2</sup> . 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 mice <sup>1</sup> . Elevation of ROS levels may be due to inhibition of ubiquitin-proteasome system at a pre-proteasomal step. <sup>3</sup>