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Product Datasheet

EGA, CAS [[415687-81-9]]

FBM-10-3689

Article Name	EGA, CAS [[415687-81-9]]
Biozol Catalog Number	FBM-10-3689
Supplier Catalog Number	10-3689
Alternative Catalog Number	FBM-10-3689-5MG, FBM-10-3689-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Endosomal trafficking inhibitor...
Molecular Weight	346.23
Purity	>95% by TLC NMR (Conforms)
Form	White solid
CAS Number	[415687-81-9]
Formula	C16H16BrN3O

Application Notes

EGA is a novel selective inhibitor of endosomal trafficking which blocks cellular entry of lethal toxin and other acid-dependent bacterial toxins and viruses into mammalian cells.¹ Inhibits Anthrax lethal toxin-induced RAW264.7 cell death, IC₅₀=1.7 mM.¹ Delays lysosomal targeting and degradation of the EGF receptor indicating that it targets host membrane trafficking.¹ Does not block endosomal recycling of transferrin, retrograde trafficking of ricin, phagolysosomal trafficking or phagosome permeabilization by *Francisella tularensis*, nor does it neutralize acidic organelles.¹ Protects mammalian cells from *Clostridium difficile* CDT, *Clostridium perfringens* iota toxin and *Clostridium botulinum* C2 toxin.² A useful tool for exploring subcellular trafficking of various bacterial toxins.³