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Product Datasheet

EGA, CAS [[415687-81-9]] FBM-10-3689

Artikelname	EGA, CAS [[415687-81-9]]
Artikelnummer	FBM-10-3689
Hersteller Artikelnummer	10-3689
Alternativnummer	FBM-10-3689-5MG,FBM-10-3689-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Endosomal trafficking inhibitor...
Molekulargewicht	346.23
Reinheit	>95% by TLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[415687-81-9]
Formel	C16H16BrN3O

Anwendungsbeschreibung	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, $IC_{50}=1.7 \text{ mM}$.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 <i>Franciscella tularensis</i>, nor does it neutralize acidic organelles.¹ Protects mammalian cells from <i>Clostridium difficile</i> CDT, <i>Clostridium perfringens</i> Iota toxin and <i>Clostridium botulinum</i> C2 toxin.² A useful tool for exploring subcellular trafficking of various bacterial toxins.³
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