

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## 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	<p>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.<sup>1</sup> Inhibits Anthrax lethal toxin-induced RAW264.7 cell death, IC<sub>50</sub>=1.7 mM.<sup>1</sup> Delays lysosomal targeting and degradation of the EGF receptor indicating that it targets host membrane trafficking.<sup>1</sup> Does not block endosomal recycling of transferrin, retrograde trafficking of ricin, phagolysosomal trafficking or phagosome permeabilization by <i>Francisella tularensis</i>, nor does it neutralize acidic organelles.<sup>1</sup> Protects mammalian cells from <i>Clostridium difficile</i> CDT, <i>Clostridium perfringens</i> Iota toxin and <i>Clostridium botulinum</i> C2 toxin.<sup>2</sup> A useful tool for exploring subcellular trafficking of various bacterial toxins.<sup>3</sup></p>
-------------------	---