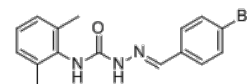


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<b>Product Name</b>	: Endosomal trafficking inhibitor EGA
<b>Cat. No.</b>	: PC-70343
<b>CAS No.</b>	: 415687-81-9
<b>Molecular Formula</b>	: C <sub>16</sub> H <sub>16</sub> BrN <sub>3</sub> O
<b>Molecular Weight</b>	: 346.22
<b>Target</b>	: Other Targets
<b>Solubility</b>	: 10 mM in DMSO



### Biological Activity

EGA is a potent anthrax lethal toxin entry inhibitor with IC<sub>50</sub> of 1.7 μM, inhibits **endosomal trafficking** pathways exploited by multiple toxins and viruses.

EGA also delays lysosomal targeting and degradation of the **EGF receptor**, does not neutralize acidic organelles.

EGA is a powerful tool for the study of membrane trafficking and represents a class of host-targeted compounds for therapeutic development to treat infectious disease.

### References

Gillespie EJ, et al. *Proc Natl Acad Sci U S A*. 2013 Dec 10;110(50):E4904-12.

Jung ME, et al. *ACS Med Chem Lett*. 2014 Jan 21;5(4):363-7.

Slater LH, et al. *Trends Microbiol*. 2014 Feb;22(2):53-5.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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