

Product Data Sheet

Product Name: EGA
Cat. No.: GC43588

Chemical Properties

Cas. No. 415687-81-9

SMILES CC1=CC=CC(C)=C1NC(N/N=C/C2=CC=C(Br)C=C2)=O

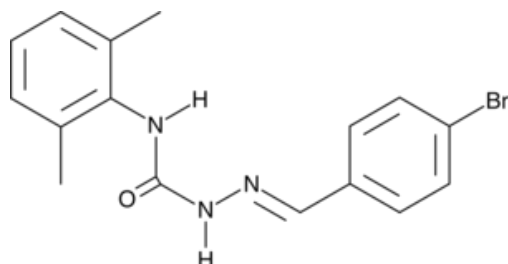
Formula $C_{16}H_{16}BrN_3O$ M.Wt 346.2

Solubility DMSO: 5 mg/ml Storage Store at -20°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

EGA is an inhibitor of endosomal trafficking. It increases accumulation of fluorescently labeled EGF in early endosomes in HeLa cells when used at a concentration of 20 μ M. EGA inhibits cell death induced by anthrax lethal toxin in RAW264.7 cells (IC_{50} = 1.7 μ M) as well as by additional acid-dependent bacterial toxins, including diphtheria toxin, *P. aeruginosa* ExoA, and *H. ducreyi* cytolethal distending toxin (Hd-CDT), in various cell types. It also inhibits infection of Vero and HeLa cells by the low pH-dependent lymphocytic choriomeningitis (LCMV; Armstrong strain) and influenza A/WSN/33 viruses, respectively.

Caution: Product has not been fully validated for medical applications. For research use only.

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