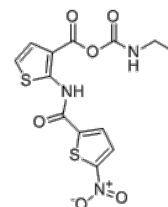


**Product Name** : Autophagy inhibitor EACC  
**Cat. No.** : PC-73004  
**CAS No.** : 864941-31-1  
**Molecular Formula** : C<sub>13</sub>H<sub>11</sub>N<sub>3</sub>O<sub>6</sub>S<sub>2</sub>  
**Molecular Weight** : 369.366  
**Target** : Autophagy  
**Solubility** : 10 mM in DMSO



## Biological Activity

Autophagy inhibitor EACC (EACC) is a novel small molecule, reversible inhibitor of **autophagy**, inhibits autophagic flux by blocking autophagosome-lysosome fusion.

Unlike other autophagy late stage inhibitors, EACC does not have any effect on lysosomal properties or on endocytosis mediated degradation of EGF receptor.

EACC affects the translocation of SNAREs Stx17 and SNAP29 on autophagosomes without impeding the completion of autophagosomes.

EACC reduces the interaction of Stx17 with the HOPS subunit VPS33A and the cognate lysosomal R-SNARE VAMP8.

Autophagy inhibitor EACC is a useful tool to study autophagosomal SNARE trafficking.

## References

Vats S, et al. *Mol Biol Cell*. 2019 Jun 12;mbcE18080482.

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

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