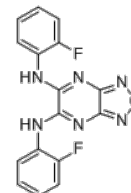


**Product Name** : BAM15  
**Cat. No.** : PC-38246  
**CAS No.** : 210302-17-3  
**Molecular Formula** : C<sub>16</sub>H<sub>10</sub>F<sub>2</sub>N<sub>6</sub>O  
**Molecular Weight** : 340.294  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

BAM15 (Mitochondrial uncoupler BAM15) is a potent **protonophore** that uncouples the mitochondria without depolarizing the plasma membrane, oxidative phosphorylation (**OXPHOS**) uncoupler.

BAM15 attenuates transportation-induced apoptosis in iPS-differentiated retinal tissue.

Compared to FCCP, an uncoupler of equal potency, BAM15 treatment of cultured cells stimulates a higher maximum rate of mitochondrial respiration and is less cytotoxic.

C57BL/6J mice treated with BAM15 were resistant to weight gain.

BAM15-treated mice exhibited improved body composition and glycemic control independent of weight loss, effects attributable to drug targeting of lipid-rich tissues.

### References

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Dang CP, et al. *J Innate Immun.* 2021;13(6):359-375.

Alexopoulos SJ, et al. *Nat Commun.* 2020 May 14;11(1):2397.

Childress ES, et al. *J Med Chem.* 2020 Mar 12;63(5):2511-2526.

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

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