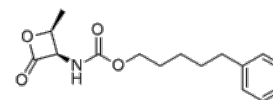


**Product Name** : ARN077  
**Cat. No.** : PC-62873  
**CAS No.** : 1373625-34-3  
**Molecular Formula** : C<sub>16</sub>H<sub>21</sub>NO<sub>4</sub>  
**Molecular Weight** : 291.347  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

ARN077 is the first potent, selective N-acylethanolamine acid amidase (**NAAA**) inhibitor with IC<sub>50</sub> of 7 nM on both rat NAAA and human NAAA.

ARN077 attenuates heat hyperalgesia and mechanical allodynia elicited in mice by carrageenan injection or sciatic nerve ligation in a dose-dependent manner, reverses the allodynia caused by ultraviolet B radiation in rats.

ARN077 also suppresses DNFB-induced inflammation pruritus in mouse model of allergic dermatitis.

## References

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Romeo E, et al. *ACS Chem Biol*. 2015 Sep 18;10(9):2057-64.

Sasso O, et al. *J Invest Dermatol*. 2018 Mar;138(3):562-569.

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

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