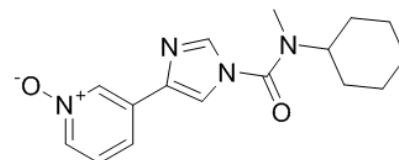


**Product Name** : BIA 10-2474  
**Cat. No.** : PC-45699  
**CAS No.** : 1233855-46-3  
**Molecular Formula** : C<sub>16</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 300.3556  
**Target** : FAAH  
**Solubility** :

4. Kiss L, et al. **Chem Med Chem.** 2018 Aug 16. doi: 10.1002/cmdc.201800393.



## Biological Activity

BIA 10-2474 is a potent **FAAH** inhibitor with IC<sub>50</sub> of 4.9 nM in HEK293T cells expressing the human recombinant enzyme. BIA 10-2474 also inhibits FAAH2, α/β-hydrolase domain-containing protein 6 (ABHD6), carboxylesterase 2 (CES2), and patatin-like phospholipase domain 6 (PNPLA6) with IC<sub>50</sub> values of 0.4, 0.081, 2, and 11 μM, respectively. BIA 10-2474 produces substantial alterations in lipid networks in human cortical neurons

## References

- Tong J, et al. **J Cereb Blood Flow Metab.** 2016 Jan 1;271678X16668890.  
 Kerbrat A, et al. **N Engl J Med.** 2016 Nov 3;375(18):1717-1725.  
 van Esbroeck ACM, et al. **Science.** 2017 Jun 9;356(6342):1084-1087.

