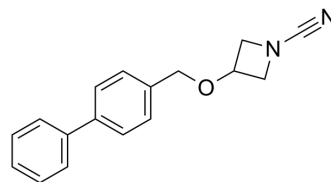


## NAAA-IN-3

Cat. No.:	HY-147775
CAS No.:	1831115-59-3
Molecular Formula:	C <sub>17</sub> H <sub>16</sub> N <sub>2</sub> O
Molecular Weight:	264.32
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

NAAA-IN-3 (Compound 17a) is a potent and selective inhibitor of NAAA with an IC<sub>50</sub> of 50 nM. NAAA is a cysteine amidase which preferentially hydrolyzes the endogenous biolipids palmitoylethanolamide (PEA) and oleoylethanolamide (OEA). NAAA-IN-3 has the potential for the research of inflammation and pain<sup>[1]</sup>.

## REFERENCES

[1]. Malamas MS, et al. Design and synthesis of cyanamides as potent and selective N-acylethanolamine acid amidase inhibitors. *Bioorg Med Chem*. 2020 Jan 1;28(1):115195.

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

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