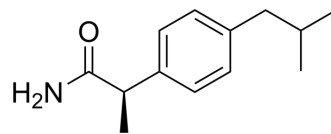


## (-)-Ibuprofenamide

Cat. No.:	HY-111950
CAS No.:	121839-78-9
Molecular Formula:	C <sub>13</sub> H <sub>19</sub> NO
Molecular Weight:	205.3
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	(-)-Ibuprofenamide is an amide proagent of Ibuprofen with anti-inflammatory activity <sup>[1]</sup> . Ibuprofen is an anti-inflammatory inhibitor targeting COX-1 and COX-2 with IC <sub>50</sub> s of 13 μM and 370 μM, respectively <sup>[2]</sup> .
IC <sub>50</sub> & Target	COX-1, COX-2 <sup>[2]</sup>

### REFERENCES

- [1]. Shanbhag VR, et al. Ester and amide prodrugs of ibuprofen and naproxen: synthesis, anti-inflammatory activity, and gastrointestinal toxicity. J Pharm Sci. 1992 Feb;81(2):149-54.
- [2]. Noreen Y, et al. Development of a radiochemical cyclooxygenase-1 and -2 in vitro assay for identification of natural products as inhibitors of prostaglandin biosynthesis. J Nat Prod. 1998 Jan;61(1):2-7.

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

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