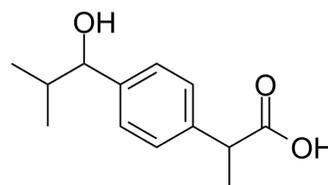


## 1-Hydroxy-ibuprofen

Cat. No.:	HY-136592
CAS No.:	53949-53-4
Molecular Formula:	C <sub>13</sub> H <sub>18</sub> O <sub>3</sub>
Molecular Weight:	222.28
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	1-Hydroxy Ibuprofen is a metabolite of Ibuprofen in <i>P. australis</i> <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>[1]</sup> .
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### REFERENCES

- [1]. Yujie He, et al. Metabolism of Ibuprofen by *Phragmites australis*: Uptake and Phytodegradation. *Environ Sci Technol.* 2017 Apr 18;51(8):4576-4584.
- [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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