



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

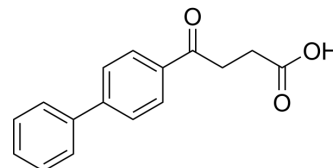
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Fenbufen (Standard)

Cat. No.:	HY-B1138R
CAS No.:	36330-85-5
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> O <sub>3</sub>
Molecular Weight:	254.28
Target:	COX; Caspase
Pathway:	Immunology/Inflammation; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Fenbufen (Standard) is the analytical standard of Fenbufen. This product is intended for research and analytical applications. Fenbufen (CL-82204) is an orally active non-steroidal anti-inflammatory drug (NSAID), with analgetic and antipyretic effects. Fenbufen has potent activity in a variety of animal model, including carageenin edema, UV erythema and adjuvant arthritis. Fenbufen has inhibitory activities against COX-1 and COX-2 with IC<sub>50</sub>s of 3.9 μM and 8.1 μM, respectively. Fenbufen is a caspases (caspase-1, 3, 4, 5, 9) inhibitor<sup>[1][2][3][4][5]</sup>.

### REFERENCES

- [1]. A E Sloboda, et al. The pharmacological properties of fenbufen. A review. *Arzneimittelforschung*. 1980;30(4A):716-21.
- [2]. R G Child, et al. Fenbufen, a new anti-inflammatory analgesic: synthesis and structure-activity relationships of analogs, *J Pharm Sci*. 1977 Apr;66(4):466-76.
- [3]. A E Sloboda, et al. The pharmacology of fenbufen, 3-(4-biphenylcarbonyl)propionic acid, and 4-biphenylacetic acid, interesting antiinflammatory-analgesic agents. *Inflammation*. 1976 Dec;1(4):415-38.
- [4]. Asif Husain, et al. Fenbufen based 3-[5-(substituted aryl)-1,3,4-oxadiazol-2-yl]-1-(biphenyl-4-yl)propan-1-ones as safer antiinflammatory and analgesic agents. *Eur J Med Chem*. 2009 Sep;44(9):3798-804.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA