



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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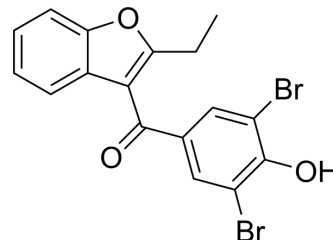
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## Benzbromarone (Standard)

<b>Cat. No.:</b>	HY-B1135R
<b>CAS No.:</b>	3562-84-3
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>12</sub> Br <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	424.08
<b>Target:</b>	Apoptosis; Interleukin Related; Keap1-Nrf2; SOD; Caspase; Bcl-2 Family; NF-κB; JNK; Xanthine Oxidase; HSP
<b>Pathway:</b>	Apoptosis; Immunology/Inflammation; NF-κB; MAPK/ERK Pathway; Metabolic Enzyme/Protease; Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Benzbromarone (Standard) is the analytical standard of Benzbromarone. This product is intended for research and analytical applications. Benzbromarone is an orally active anti-gout agent. Benzbromarone has anti-inflammatory, anti-oxidative stress and nephroprotective effects. Benzbromarone can be used for the research of hyperuricemia and gout<sup>[1][2][3][4]</sup>.

### REFERENCES

- [1]. Huang Z, et al. The protective effects of benzbromarone against propofol-induced inflammation and injury in human brain microvascular endothelial cells (HBMVECs) [J]. Neurotoxicity Research, 2021, 39(5): 1449-1458.
- [2]. Roos N J, et al. The uricosuric benzbromarone disturbs the mitochondrial redox homeostasis and activates the NRF2 signaling pathway in HepG2 cells [J]. Free Radical Biology and Medicine, 2020, 152: 216-226.
- [3]. Sun P, et al. Benzbromarone aggravates hepatic steatosis in obese individuals [J]. Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease, 2018, 1864(6): 2067-2077.
- [4]. Abdel-Razek E A N, et al. Benzbromarone mitigates cisplatin nephrotoxicity involving enhanced peroxisome proliferator-activated receptor-alpha (PPAR-α) expression [J]. Life sciences, 2020, 243: 117272.
- [5]. Park J G, et al. Benzbromarone Induces Targeted Degradation of HSP47 Protein and Improves Hypertrophic Scar Formation [J]. Journal of Investigative Dermatology, 2023.

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

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