

---

## Product Data Sheet

---

Product Name: Fenoprofen Calcium

Cat. No.: GC17882

**Chemical Properties**

Cas. No. 34597-40-5

Chemical Name calcium;2-(3-phenoxyphenyl)propanoate

SMILES CC(C1=CC(=CC=C1)OC2=CC=CC=C2)C(=O)[O-].CC(C1=CC(=CC=C1)OC2=CC=CC=C2)C(=O)[O-].[Ca+2]Formula  $C_{30}H_{26}CaO_6$  M.Wt 522.6Solubility  $\geq 14.7\text{mg/mL}$  in DMSO Storage Store at  $-20^{\circ}\text{C}$ General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}\text{C}$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Fenoprofen Calcium is a nonsteroidal, anti-inflammatory antiarthritic agent. Target: Prostaglandin G/H synthase 1. Fenoprofen is a non-steroidal anti-inflammatory, antipyretic, analgesic agent advocated for use in rheumatoid arthritis, degenerative joint disease, ankylosing spondylitis and gout. Fenoprofen has a serum half-life of about 150 to 180 minutes and is at least 99% bound to plasma proteins. It is extensively metabolised after oral administration, the main metabolites being fenoprofen glucuronide and 4-hydroxy-fenoprofen glucuronide [1]. Fenoprofen calcium is revealed for relief of mild to moderate pain in adults and for relief of the signs and symptoms of rheumatoid arthritis and osteoarthritis. In patients with osteoarthritis, the anti-inflammatory and analgesic effects of fenoprofen calcium have been demonstrated by decrease in tenderness as a response to pressure and reduction in night pain, stiffness, swelling, and overall disease activity. These effects have also been demonstrated by attenuation of pain with motion and at rest and increased range of motion in involved

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

joints [2].

### References:

[1]. Takashima-Hirano M, et al. General method for the (11)C-labeling of 2-arylpropionic acids and their esters: construction of a PET tracer library for a study of biological events involved in COXs expression. *Chemistry*. 2010 Apr 12;16(14):4250-8.

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

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**