Product Data Sheet

Product Name: Parecoxib
CAS No.: 198470-84-7
Cat. No.: HY-17474
MWT: 370.42
Formula: C19H18N2O4S
Purity: >98%

Solubility: DMSO

Mechanisms:
Pathways: Immunology/Inflammation; Target: COX

Biological Activity:
Parecoxib is a potent and selective COX-2 inhibitor.

IC50 value:
Target: COX-2

in vitro: The prodrug Parecoxib as well as its active metabolite val have a specific affinity to the cannabinoid (CB) receptor measured in CB1-expressing HEK 293 cells and rat brain tissue [1].
in vivo: Adult male Sprague-Dawley rats were administered parecoxib (10 or 30 mg kg\(^{-1}\), IP) or isotonic saline twice a day starting 24 h after middle cerebral artery occlusion (MCAO) for three consecutive days [2]. The selective COX-2 inhibitor parecoxib was delivered 20 min before or 20 min after the incision by intraperitoneal injection. Pretreatment with parecoxib markedly attenuated the pain hypersensitivity induced by incision [3]....

References:

Caution: Not fully tested. For research purposes only

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