Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Ampiroxicam

Catalog No: tcsc2638

Available Sizes

Size: 10mg

Size: 50mg

Specifications

CAS No:
99464-64-9

Formula:
$C_{20}H_{21}N_3O_7S$

Pathway:
Immunology/Inflammation

Target:
COX

Purity / Grade:
>98%

Solubility:
DMSO : 50 mg/mL (111.74 mM; Need ultrasonic)

Alternative Names:
CP 65703

Observed Molecular Weight:
447.46

Product Description

Ampiroxicam(CP65703) is a nonselective cyclooxygenase inhibitor uesd as anti-inflammatory drug.

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Target: COX

Ampiroxicam is a non-steroidal anti-inflammatory drug. It is a prodrug of piroxicam. Ampiroxicam inhibits the stretching response in mice induced by phenylbenzoquinone (PBQ) with maximum protective effect (MPE) of 2 mg/kg. Ampiroxicam inhibits swelling in a dose-responsive manner in the rat foot edema (RFE) assay with ED50 of 28 mg/kg at single oral dose and 7.8 mg/kg at 5 daily oral dose. Ampiroxicam blocks primary and secondary lesion development in rat adjuvant arthritis with ED50 of 2.2 mg/kg and 0.5 mg/kg, respectively. Ampiroxicam (3.2 mg/kg) leads to a plasma concentration of 12 μg/mL at a Tmax of 2 hours for piroxicam derived from ampiroxicam in rats [1]. Ultraviolet-A (UVA)-irradiated 1% Ampiroxicam sensitized in guinea pigs shows positive reaction in the patch testing to UVA-irradiated 1% Ampiroxicam and 1% thiosalicylate (TOS). Concentration of Ampiroxicam is easily reduced by the increase in UVA irradiation doses, as compared with that of piroxicam [2].