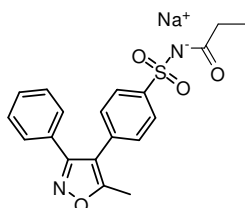




Certificate of Analysis

Axon Catalogue ID: 3311 **Batch Number:** 1
Product Name: Parecoxib sodium
Alternative Name(s): SC-69124A
IUPAC Name: Sodium (4-(5-Methyl-3-phenylisoxazol-4-yl)phenylsulfonyl)(propionyl)amide

Structure:



Amount:

CAS number(s): 198470-84-7 (parent), 198470-85-8 (sodium (1:1))
Molecular Formula: C₁₉H₁₇N₂NaO₄S **Molecular Weight:** 392.40
Batch Molecular Formula: C₁₉H₁₇N₂NaO₄S **Batch Molecular Weight:** 392.40
Appearance: White solid **Observed mp:** 272.3 - 274.2 °C
TLC (R_f): 0.41 DCM (100%)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.16, H 4.37, N 7.14; Found: C 58.02, H 4.22, N 7.03
Storage Conditions: Desiccate at -20 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | 39.2 | >100 mM | |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 39.2 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 22-12-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only