Product Name: CRID3 sodium salt
Catalog No.: 5479
Batch No.: 1

CAS Number: 256373-96-3
IUPAC Name: N-[[1,2,3,5,6,7-Hexahydro-s-indacen-4-yl)amino]carbonyl]-4-(1-hydroxy-1-methylethyl)-2-furansulfonamide sodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{20}H_{23}N_{2}NaO_{5}S
Batch Molecular Weight: 426.46
Physical Appearance: Off White solid
Solubility: water to 100 mM
DMSO to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 98.4% purity
1H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen

Theoretical: 56.33 5.44 6.57
Found: 56.18 5.42 6.53

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Information

**Product Name:** CRID3 sodium salt

**CAS Number:** 256373-96-3

**IUPAC Name:** \(N\)-\([(1,2,3,5,6,7\text{-}\text{Hexahydro-s\text{-}indacen\text{-}4\text{-}yl})\text{amino}]\text{carbonyl}\)-4\ -(1\text{-}hydroxy\text{-}1\text{-}methylethyl\text{)}\text{-}2\text{-}furansulfonamide sodium salt

**Description:** Potent NLRP3 inflammasome inhibitor; closes the active conformation of NLRP3 to the inactive state. Directly interacts with the Walker B motif within the NLRP3 NACHT domain. Inhibits IL-1β, IL-18 and IL-1α production (IC\(_{50}\) values are 7.2, 10.3 and 12-18 nM, respectively). Selective for NLRP3 over NLRC4 inflammasome and Toll-like receptor signaling. Reduces severity of experimental autoimmune encephalomyelitis, skin inflammation and airway inflammation in mice. Also glutathione S-transferase omega 1 inhibitor. Orally bioavailable.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** \(C_{20}H_{12}N_2NaO_9S\)
- **Batch Molecular Weight:** 426.46
- **Physical Appearance:** Off White solid
- **Minimum Purity:** >98%
- **Batch Molecular Structure:**

**Storage:** Store at +4°C

**Solubility & Usage Info:**
- Water to 100 mM
- DMSO to 100 mM

**Stability and Solubility Advice:**
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
- **SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
- **SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**
Sold for research purposes under agreement from Pfizer Inc

**References:**
- **Laliberte et al.** (2003) Glutathione S-transferase omega 1-1 is a target of cytokine release inhibitory drugs and may be responsible for their effect on interleukin-1β posttranslational processing. J.Biol.Chem. 278 16567. PMID: 12624100.