

**Product Name** : JC-171

**Synonyms** : JC171

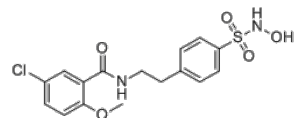
**Cat No.** : M13356

**CAS Number** : 2112809-98-8

**Molecular Formula** : C<sub>16</sub>H<sub>17</sub>ClN<sub>2</sub>O<sub>5</sub>S

**Formula Weight** : 384.83

**Chemical Name** : 5-Chloro-N-[2-(4-hydroxysulfamoyl-phenyl)-ethyl]-2-methoxy-benzamide



**Description** : JC-171 is a selective NLRP3 inflammasome inhibitor that inhibits LPS/ATP-induced IL-1 $\beta$  release from macrophages with IC<sub>50</sub> of 8.45  $\mu$ M; interferes with NLRP3/ASC interaction induced by LPS/ATP stimulation both in viro and in vivo; delays the progression and reduces the severity of experimental autoimmune encephalomyelitis (EAE).

**Pathway** : NF- $\kappa$ B

**Target** : NOD

**Receptor** : NOD

**Solubility** : —

**SMILES** : O=C(NCCC1=CC=C(S(=O)(NO)=O)C=C1)C2=CC(Cl)=CC=C2OC

**Storage** : (-20°C)

**Stability** :  $\geq$  2 years

**Reference** :

1. Guo C, et al. ACS Chem Neurosci. 2017 Jul 13. doi: 10.1021/acschemneuro.7b00124.