

# CY-09

**ALTERNATE NAME:** 4-[[4-Oxo-2-thioxo-3-[[3-(trifluoromethyl)phenyl]methyl]-5-thiazolidinylidene]methyl]benzoic acid  
CY09

**CATALOG #:** B2541-1 1 mg  
B2541-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>19</sub>H<sub>12</sub>F<sub>3</sub>NO<sub>3</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 423.43

**CAS NUMBER:** 1073612-91-5

**APPEARANCE:** Yellow solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >8 mg/ml DMSO

**DESCRIPTION:** CY-09 is a potent and specific NLRP3 inhibitor (K<sub>d</sub> = 500 nM); directly binds to ATP-binding motif of NLRP3 NACHT domain. Blocks NLRP3 inflammasome assembly and activation.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

MCC950 sodium (9686)  
Arglabin (9691)  
CP-424174 (B2531)  
NLRP3i (B2529)  
MCC950 (Free base) (B1031)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*