

CY-09

Cat. # F3230-5, F3230-25

Also Known as:	CY09
Formula:	$C_{19}H_{12}F_3NO_3S_2$
MW:	423.43 g/mol
CAS No.:	1073612-91-5
Source:	Synthetic
Form:	Powder
Solubility:	Soluble in DMSO up to 20 mg/mL. To achieve better solubility, warm the solution at 37 °C and sonicate in an ultrasonic water bath.
Preparation of Stocks in DMSO:	5 mg/mL = 11.8 mM
Quality Assurance:	>98% purity assayed by NMR.
Description:	CY-09 is a selective NLRP3 inhibitor. CY-09 directly binds to the ATP-binding motif of NLRP3, inhibits ATPase activity, and thus blocking NLRP3 activation.
Storage:	Eligible for room temperature shipping. Store at -20°C upon receiving. Avoid multiple freeze-thaw cycles after dissolving in DMSO.
Literature:	1. Jiang et al., J. Exp. Med., 2017, 214, 3219.