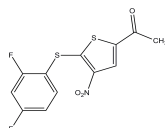


**PRODUCT: USP7/USP47 Inhibitor,  
P 22077****ALTERNATE NAME:** 1-(5-(2,4-Difluorophenylthio)-4-nitrothiophen-2-yl)ethanone;  
DUB inhibitor**CATALOG #:** 2301-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>12</sub>H<sub>7</sub>F<sub>2</sub>NO<sub>3</sub>S<sub>2</sub>**MOLECULAR WEIGHT:** 315.32**CAS NUMBER:** 1247819-59-5**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20° C. Protect from air and light**DESCRIPTION:** A cell-permeable inhibitor of the ubiquitin-specific protease (IC<sub>50</sub> = 8.6 μM) and the closely related deubiquitinase (DUB) USP47. P22077 displays weak or no inhibition (EC<sub>50</sub> >50 μM) towards a panel of 14 isopeptidases and other proteases. Inhibits USP7-mediated p53 deubiquitination.**REFERENCE:** Altun, M., *et al.* (2011). *Chem. Biol.* **18**, 1401-1412; Tian, X., *et al.* (2011). *Assay Drug Dev Technol* **9**, 165-173**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

LDN-57444 (Cat. No. 2016-5, 25)

Spautin-1 (Cat. No. 2037-5, 25)

USP14 Inhibitor, IU-1 (Cat. No. 1845-5, 25)

WP-1130 (Cat. No. 2014-5, 25)

**USAGE:** ***FOR RESEARCH CH USE ONLY! Not to be used in humans***