



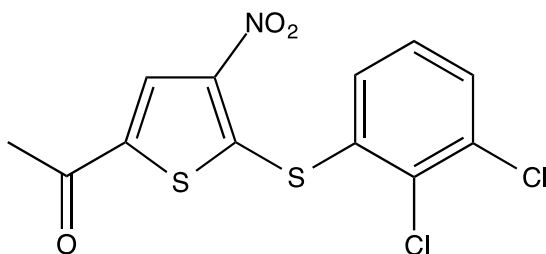
Catalog # 10-1422

P5091

CAS# 882257-11-6

1-[5-[(2,3-Dichlorophenyl)thio]-4-nitro-2-thienyl]ethanone

Lot # X105090



Selective inhibitor of the ubiquitin-specific protease USP7 ($IC_{50}=4.2 \mu M$)^{1,2}. Induces apoptosis in multiple myeloma cells and overcomes bortezomib resistance¹. Displays antiangiogenic activity *in vivo*². Cell permeable

- 1) Chauhan *et al.* (2012), *A small molecule inhibitor of ubiquitin-specific protease-7 induces apoptosis in multiple myeloma cells and overcomes bortezomib resistance*; Cancer Cell, **22** 345
- 2) Weinstock *et al.* (2012), *Selective dual inhibitors of the cancer-related deubiquitylating proteases USP7 and USP47*; ACS Med. Chem. Lett., **3** 789

PHYSICAL DATA

Molecular Weight:	348.23
Molecular Formula:	C ₁₂ H ₇ Cl ₂ NO ₃ S ₂
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 20 mg/ml with warming) or Ethanol (up to 40 mg/ml with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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