

P5091

Cat. # F4110, F4111

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

Formula: C₁₂H₇Cl₂NO₃S₂

MW: 348.22 Da

CAS No.: 882257-11-6

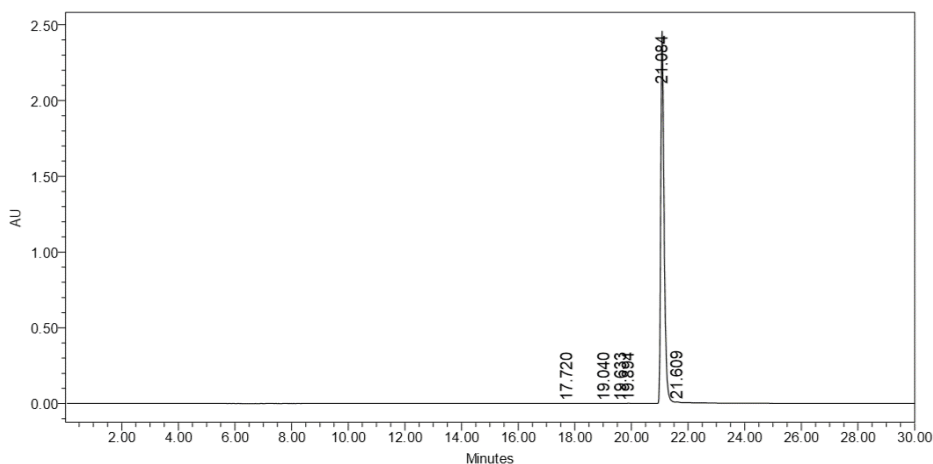
Source: Synthetic

Form: Lyophilized powder

Solubility: Soluble in DMSO (~20mg/ml)

Concentration: N/A

Quality Assurance: >99% by HPLC and NMR



Purity check of P5091 by HPLC

Description: P5091 is a cell permeable, selective and potent inhibitor of ubiquitin-specific protease 7 (USP7, IC₅₀ = 4.2 μM) and USP47. P5091(P005091) induces apoptosis in multiple myeloma cells and overcomes bortezomib resistance. It inhibits tumor growth in animal models of cancer.

Storage: Eligible for room temperature shipping. Store at -20°C upon receiving; protect from air and light

How to use
In vitro: P5091 was used at 5-12 μM in various in vitro assays
In vivo: P5091 was administered through IV injection at 10 mg/kg twice weekly for 3 weeks.

Literature:
1. Jeffrey GM, *et al.* (2009) IDrugs. 12(12):750–753.
2. Chauhan D, *et al.* (2012) Cancer Cell 22(3): 345-358.

