**Product Data Sheet**

**Chemical Properties**

**Product Name:** SU11274  
**Cas No.:** 658084-23-2  
**M.Wt:** 568.09  
**Formula:** C28H30CIN5O4S

**Chemical Name:** (3Z)-N-(3-chlorophenyl)-3-[[3,5-dimethyl-4-(4-methylpiperazine-1-carbonyl)-1H-pyrrol-2-yl]methylidene]-N-methyl-2-oxo-1H-indole-5-sulfonamide

**Canonical SMILES:** CC1=C(NC(=C(O(N2CCN(CC2)C)C=C3C4=C(C=C(C(=O)((=O)N(C)C5=CC(=CC=C5)Cl)NC3=O

**Solubility:** Soluble in DMSO > 10 mM

**Storage:** Store at -20°C

**General tips:** For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

**Shopping Condition:** Evaluation sample solution: ship with blue ice  
All other available size: ship with RT, or blue ice upon request

**Biological Activity**

**Targets:** c-MET

**Pathways:** Tyrosine Kinase >> c-MET

**Description:**

SU11274 is a potent and selective inhibitor of Met kinase with IC50 value of 10nM [1]. SU11274 shows high selectivity toward Met kinase versus a serine/threonine kinase, cyclin-dependent kinase 2 (CDK2), or other receptor tyrosine kinases, including epidermal growth
factor receptor (EGFR) and platelet-derived growth factor receptor β (PDGFRβ) [1].

SU11274 has revealed to inhibit autophosphorylation of Met at kinase tyrosines 1234/1235 in NIH3T3 cells expressing drug-sensitive or drug-resistant MET mutants and human lung cancer cell line H1993, however, concomitantly, increase total MET levels dose-dependently. Cells treated with SU11274 (2 μM for 16 h) has shown a reduction of Met Ubiquitination [2].

Reference:
[2] Leiser D1, Pochon B1, Blank-Liss W1, Francica P1, Glück AA1, Aebersold DM1, Zimmer Y1, Medová M2. Targeting of the MET receptor tyrosine kinase by small molecule inhibitors leads to MET accumulation by impairing the receptor downregulation. FEBS Lett. 2014 Mar 3;588(5):653-8.

Product Citations


Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most ApexBio products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.