

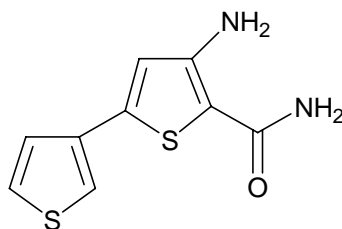
Catalog No. 11216-043 10 mg

PRODUCT: SC-514
5-(Thien-3-yl)-3-aminothiophene-2-carboxamide

CATALOG NO.: 11216-043

SIZE: 10 mg

STRUCTURE:



PHYSICAL APPEARANCE: Yellow solid (m.p. 209-211°C)

MOLECULAR FORMULA: C₉H₈N₂OS₂ MOLECULAR WEIGHT: 224.3

PURITY: 98% (TLC: 5% Methanol/methylene chloride; R_f = 0.27)

SOLUBILITY: Soluble in DMSO (>25 mg/mL)

STORAGE: Store, as supplied, at room temperature for up to 1 year. Store solutions at -20°C for up to 3 months.

APPLICATION NOTES: SC-514 is a selective, reversible and ATP-competitive inhibitor of IKK2 (IC₅₀ = 11.2 μM). It does not inhibit other IKK isoforms or other serine/threonine or tyrosine kinases. It inhibits transcription of NFκB dependent genes in IL-1β-induced rheumatoid arthritis synovial fibroblasts in a dose-dependent fashion.¹

REFERENCES: 1. N. Kishore *et al. J. Biol. Chem.* 2003 **278** 32861

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.