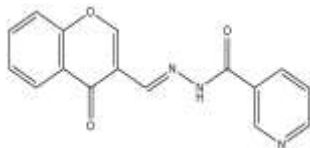


**PRODUCT: Stat5 Inhibitor****ALTERNATE NAME:** (E)-N'-((4-oxo-4H-chromen-3-yl)methylene)nicotinohydrazide**CATALOG #:** 9484-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>16</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>**MOLECULAR WEIGHT:** 293.3**CAS NUMBER:** 285986-31-4**APPEARANCE:** White solid**SOLUBILITY:** DMSO (10 mg/ml)**PURITY:** ≥97% by HPLC**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** STAT5 Inhibitor suppresses STAT5 by targeting its SH2 domain (IC<sub>50</sub> = 47 μM against STAT5β SH2 domain EPO peptide binding activity). Comparatively, this compound displays reduced potency towards inhibiting the SH2 domain of STAT1, STAT3, or Lck (IC<sub>50</sub> > 500 μM). STAT5 Inhibitor has been shown to block STAT5/STAT5 DNA binding in K562 nuclear extracts. Cell-permeable.

**REFERENCES:** Müller, J., *et al.* (2008). *ChemBioChem* **9**, 723-727.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

AG490 (Cat. No. 1570-5)

CP-690550 (Cat. No. 1622-5, 25)

Galieallactone (Cat. No. 2623-100, 500)

LLL12 (Cat. No. 1792-5, 25)

Stat1 Antibody (Cat. No. 3133R-100)

Stat2 Antibody (Cat. No. 3468R-100)

Phospho-Stat2 Antibody (Cat. No. 3469-1000)

Stat3 Antibody (Cat. No. 3470R-100)

Phospho-Stat3 Antibody (Cat. No. 3474-100)

Stat3 Inhibitor I, S3I-201 (Cat. No. 1775-5, 25)

EZSolution™ Stat3 Inhibitor I, S3I-201 (Cat. No. 2541-5)

Stat3 Peptide Inhibitor, Cell-Permeable (Cat. No. 1778-1,5)

Stat4 Antibody (Cat. No. 3471R-100)

Stat5 Antibody (Cat. No. 3472-100)

Phospho-Stat5 Antibody (Cat. No. 3475-100)

Stat6 Antibody (Cat. No. 3473R-100)

Phospho-Stat6 Antibody (Cat. No. 3476-100)

Stattic (Cat. No. 2625-5, 25)

Tyrphostin AG 490 (Cat. No. 1570-5)

WHI-P131 (Cat. No. 1853-5, 25)

WP1066 (Cat. No. 1809-5, 25)

PathwayReady™ JAK/Stat Signaling Inhibitor Panel (Cat. No. K864-8)

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