

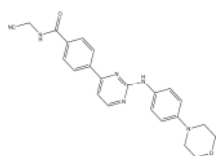
PRODUCT: Cyt387

ALTERNATE NAME: (N-(cyanomethyl)-4-(2-(4-morpholinophenylamino)pyrimidin-4-yl)-benzamide; CYT11387

CATALOG #: 2316-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₂₂N₆O₂

MOLECULAR WEIGHT: 414.46

CAS NUMBER: 1056634-68-4

APPEARANCE: Yellow to light orange solid

SOLUBILITY: DMSO (~80 mg/ml) or Ethanol (<1 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: At -20°C. Protect from air and light

DESCRIPTION: An ATP-competitive inhibitor of JAK1 and JAK2 with IC₅₀ values of 11 nM and 18 nM, respectively. Inhibits JAK3 at much higher concentrations (IC₅₀ = 155 nM).

REFERENCES: Tyner, J.W., *et al.* (2010). *Blood* **115**, 5232-5240; Pardanani, A., *et al.* (2009). *Leukemia* **23**, 1441-1445;

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- AZD1480 (Cat. No. 2315-1, 5)
- CP-690550 (Cat. No. 1622-5, 25)
- Lestaurtinib (Cat. No. 1805-500, 1000)
- LLL12 (Cat. No. 1792-5, 25)
- MS-1020 (Cat. No. 1911-1)
- Ruxolitinib, free base (Cat. No. 2139-5, 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)
- 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)
- TG101348 (Cat. No. 2314-1, 5)
- Tyrphostin AG 490 (Cat. No. 1570-5)
- WHI-P131 (Cat. No. 1853-5, 25)
- WP1066 (Cat. No. 1809-5, 25)

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