

Product Name: KB SRC 4

Catalog No.: 4660

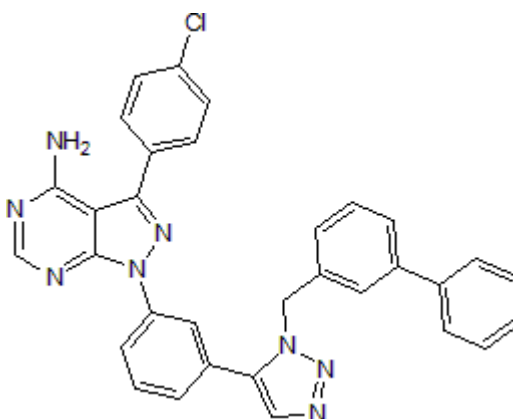
Batch No.: 1

CAS Number: 1380088-03-8

IUPAC Name: 1-[3-[1-([1,1'-Biphenyl]-3-ylmethyl)-1*H*-1,2,3-triazol-5-yl]phenyl]-3-(4-chlorophenyl)-1*H*-pyrazolo[3,4-*d*]pyrimidin-4-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₂H₂₃ClN₈
Batch Molecular Weight: 555.03
Physical Appearance: Off-white solid
Solubility: DMSO to 20 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.45 (Dichloromethane:Methanol [95:5])
HPLC: Shows 99% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 69.25 | 4.18 | 20.19 |
| Found | 68.89 | 4.18 | 20.11 |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent and selective c-Src inhibitor ($K_i = 44$ nM); does not inhibit c-Abl at concentrations up to 125 μ M. Selective between Src family members (K_d values are 86, 160, 240, 720, 3200, 4400, and >40,000 nM for c-Src, Lck, Fgr, Yes, Lyn, Hck and Fyn respectively). Significantly inhibits cell growth in 4T1 mammary carcinoma tumor cells.

Physical and Chemical Properties:

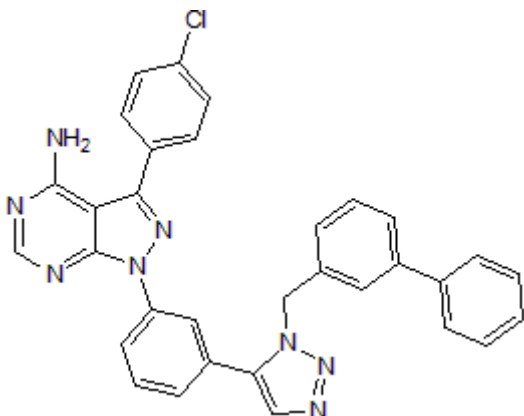
Batch Molecular Formula: C₃₂H₂₃ClN₈

Batch Molecular Weight: 555.03

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 20 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Brandvold et al (2012) Development of a highly selective c-Src kinase inhibitor. *ACS Chem.Biol.* **7** 1393. PMID: 22594480.

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