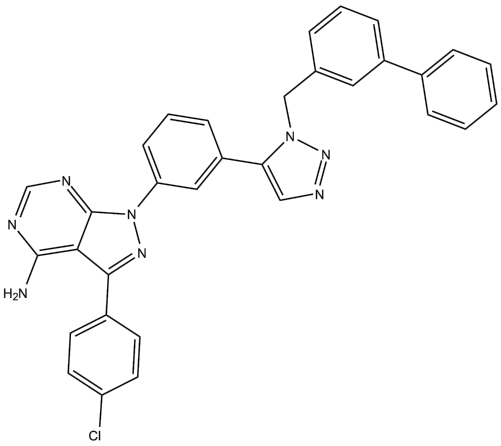
Product Data Sheet

Product Name: KB SRC 4
Cat. No.: GC17638

Chemical Properties

Cas. No.	1380088-03-8		
Chemical Name	1-(3-(1-([1,1'-biphenyl]-3-ylmethyl)-1H-1,2,3-triazol-5-yl)phenyl)-3-(4-chlorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine		
SMILES	ClC1=CC=C(C(C(C2=NC=N3)=C3N)=NN2C4=CC=CC(C5=CN=NN5CC6=CC(C7=CC=CC=C7)=CC=C6)=C4)C=C1		
Formula	$C_{32}H_{23}ClN_8$	M.Wt	555.03
Solubility	<11.1mg/ml in DMSO	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.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

KB SRC 4 is a potent, and highly selective c-Src inhibitor, with a Ki of 44 nM and a Kd of 86 nM, and shows no inhibition on c-Abl up to 125 μM; KB SRC 4 has antitumor activity.

KB SRC 4 (Compound 4) is a potent, highly selective c-Src inhibitor, with a Ki of 44 nM and a Kd of 86 nM, and shows no inhibition on c-Abl up to 125 μM. KB SRC 4 is selective between Src family

Product Data Sheet

members, with >2-fold selectivity over both Lck (Kd, 160 nM) and Fgr (Kd, 240 nM), 8-fold selectivity over c-Yes (Kd, 720 nM), and >40-fold selectivity over Lyn (Kd, 3200 nM), Hck (Kd, 4400 nM), and Fyn (Kd, >40000 nM). KB SRC 4 inhibits the growth of cancer cell lines, with GI50s of 11 μM, 12 μM, 11 μM, 6.0 μM against HT-29, SK-BR-3, MCF7, MDA-MB-453, and NIH-3T3, respectively[1].

References:

[1]. Brandvold KR, et al. Development of a highly selective c-Src kinase inhibitor. ACS Chem Biol. 2012 Aug 17;7(8):1393-8.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA