PIP4K2C

BI00048423

Chemical Name: 1-((1H-imidazol-2-yl)methyl)-3-(1-(2-chlorophenyl)-3-(pyridin-3-yl)-

4,5-dihydro-1*H*-thiazolo[4,5-*g*]indazol-7-yl)urea

CHEBI: 156469
Smile String:

CIC1=CC=CC=C1N2N=C(C3=CC=CN=C3)C4=C2C5=C(CC4)N=C(NC(NCC6=NC=CN

6) = O)S5

Chemical Formula: C24H19CIN8OS

Molecular Weight: 502.98

cLogP: 2.257 Source: KCGS

Reference: Wells, C. I.; et al. "The Kinase Chemogenomic Set (KCGS): An open

science resource for kinase vulnerability identification" BioRxiv 2019, DOI:

https://doi.org/10.1101/2019.12.22.886523

Biochemical profiling

DiscoverX (403 wild-type human kinases)

 S_{10} (1 μ M) = 0.02 (8 kinases < 10% control)

BI00048423 468 Assays Tested		Legend C
12 Interactions Mapped	TKL	Percent Control
S-Score(10) = 0.01	* 7	0%
TK	, ,7/	0.1%
	STE	
23 1,	144	0.1-1%
2/2 /2	11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-5%
1. 1 John July 24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CK1 5-10%
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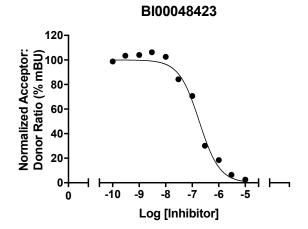
Kinase	%Inh @ 1 μM
ICK	0
MYO3A	0
PIK3CG	0
PIK4CB	0
RIPK4	0
PIK3C2G	2.2
PIP5K2C	3.2
VPS34	4.8

List of kinases inhibited <10% control at 1 μM

Cellular target engagement in HEK293 cells

PIP4K2C-NLuc (C term)

 $PIP4K2C IC_{50} = 185 nM$



Cellular target engagement of BI00048423 with PIP4K2C