CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

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Product Information

PAK inhibitor, FRAX597, Purity ≥98%

Cat. No.: X24-08-YM268

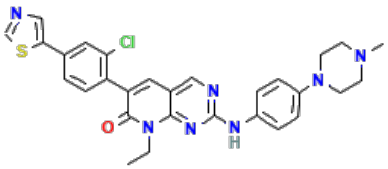
Size: 5 mg; 10 mg; 25 mg; 50 mg

MDL: MFCD25976723

CAS Number: 1286739-19-2

Compound CID: 70934541

Synonym: 1286739-19-2; FRAX 597; FRAX-597; 6-[2-Chloro-4-(1,3-thiazol-5-yl)phenyl]-8-ethyl-2-[4-(4-methylpiperazin-1-yl)anilino]pyrido[2,3-d]pyrimidin-7-one



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	FRAX597, soluble in warmed DMSO and ethanol and insoluble in water, is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting PAK. It targets the PAK1, PAK2, PAK2, and PAK3.
Molecular Weight	558.1
Molecular Formula	$C_{29}H_{28}ClN_7OS$
Targets	PAK1: 8 nM; PAK2: 13 nM; PAK2: 13 nM; PAK3: 19 nM
IUPAC Name	6-[2-Chloro-4-(1,3-thiazol-5-yl)phenyl]-8-ethyl-2-[4-(4-methylpiperazin-1-yl)anilino]pyrido[2,3-d]pyrimidin-7-one
InChI	InChI=1S/C29H28ClN7OS/c1-3-37-27-20(14-24(28(37)38)23-9-4-19(15-25(23)30)26-17-31-18-39-26)16-32-29(34-27)33-21-5-7-22(8-6-21)36-12-10-35(2)11-13-36/h4-9,14-18H,3,10-13H2,1-2H3,(H,32,33,34)
InChI Key	DHUJCQOUWQMVCG-UHFFFAOYSA-N
Canonical SMILES	CCN1C2=NC(=NC=C2C=C(C1=O)C3=C(C=C(C=C3)C4=CN=CS4)Cl)NC5=CC=C(C=C5)N6CCN(CC6)C
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	*In vitro*: DMSO (warmed): 13 mg/mL (23.29 mM); Water: insoluble; Ethanol: 1 mg/mL (1.79 mM)
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade

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Applications	FRAX597 is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of cancers and other diseases where PAK1 plays a critical role.
Storage	Store at -20ºC, and keep desiccated.