PRODUCT: FRAX597

ALTERNATE NAME: 6-[2-Chloro-4-(5-thiazolyl)phenyl]-8-ethyl-2-[[4-(4-methyl-1-piperazinyl)phenyl]amino]pyrido[2,3-*d*]pyrimidin-7-(8*H*)-one

CATALOG NUMBER: B1890-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: $C_{29}H_{28}ClN_7OS$

MOLECULAR WEIGHT: 558.1

CAS NUMBER: 1286739-19-2

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (>10 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 ℃. Protect from air and moisture

DESCRIPTION: FRAX597 is a potent group I PAK (p21-activated kinase) inhibitor (IC_{50} values are 8, 13 and 19 nM for PAK1, 2 and 3, respectively). Displays significant inhibition of YES1, RET, CSF1R and TEK at 100 nM, but is inactive against group II PAK isoforms (IC_{50} >10 µM for PAK4). FRAX597 inhibits the proliferation of NF2-deficient schwannoma cells in culture and displays potent anti-tumor activity *in vivo*.

REFERENCES:

Licciulli, S., *et al.* (2013). *J. Biol. Chem*. **288,** 29105-29114.

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

RELATED PRODUCTS:

FRAX597 **(B1890)**
Sphingosine Kinase Inhibitor, SKI-I **(2046)**
Sphingosine Kinase Inhibitor, SKI-II **(2047)**

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

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