

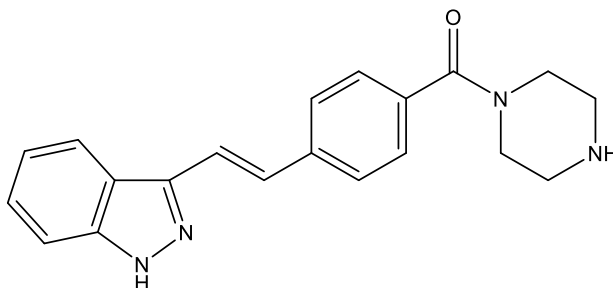
Catalog # 10-4448

KW-2449

CAS# 1000669-72-6

[4-[(E)-2-(1H-Indazol-3-yl)ethenyl]phenyl]-(1-piperazinyl)methanone

Lot # FBS2096



KW-2449 is a potent multikinase inhibitor (IC₅₀'s: FLT3 = 7 nM, FGFR1 = 36 nM, Abl = 14 nM, Abl-T315 = 4 nM) with anti-leukemic effects.^{1,2,3}

- 1) Shiotsu *et al.* (2007) *KW-2449, a Novel Multi-Kinase Inhibitor Against FLT3, Abl, FGFR1, and Aurora, Suppresses the Growth of AML Both In Vitro and In Vivo*; Blood; **110** 1832
- 2) Shiotsu *et al.* (2009) *KW-2449, a Novel Multi-Kinase Inhibitor, suppresses the growth of leukemia cells with FLT3 mutations or T315I-mutated BCR/ABL translocation*; Blood; **114** 1607
- 3) Pratz *et al.* (2009) *A pharmacodynamic study of the FLT3 inhibitor KW-2449 yields insight into the basis for clinical response*; Blood; **113** 3938

PHYSICAL DATA

Molecular Weight:	332.40
Molecular Formula:	C ₂₀ H ₂₀ N ₄ O
Purity:	>97% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	Pale yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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