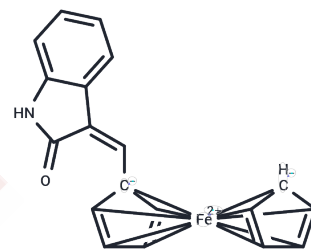


## (Z)-FeCP-oxindole

## Chemical Properties

CAS No. :	1137967-28-2
Formula:	C <sub>19</sub> H <sub>15</sub> FeNO
Molecular Weight:	329.17
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	(Z)-FeCP-oxindole is a selective inhibitor of VEGFR2 with an IC <sub>50</sub> of 200 nM for humans and demonstrates anticancer activity.
Targets(IC <sub>50</sub> )	VEGFR
In vitro	(Z)-FeCP-oxindole (10 μM) inhibits VEGFR1 and PDGFRα. (Z)-FeCP-oxindole acts on B16 murine melanoma lines (IC <sub>50</sub> <1 μM)[1].

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0379 mL	15.1897 mL	30.3794 mL
5 mM	0.6076 mL	3.0379 mL	6.0759 mL
10 mM	0.3038 mL	1.519 mL	3.0379 mL
50 mM	0.0608 mL	0.3038 mL	0.6076 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Lynch T, et al. Inhibition of the interleukin-1 beta converting enzyme family rescues neurons from apoptotic death. *Mol Psychiatry*. 1997 May;2(3):227-38.

Smith RE, et al. Visualization of time-dependent inactivation of human tumor cathepsin B isozymes by a peptidyl fluoromethyl ketone using a fluorescent print technique. *Anticancer Res*. 1988 Jul-Aug;8(4):525-9.

Lopez-Hernandez FJ, et al. Z-FA-fmk inhibits effector caspases but not initiator caspases 8 and 10, and demonstrates that novel anticancer retinoid-related molecules induce apoptosis via the intrinsic pathway. *Mol Cancer Ther*. 2003 Mar;2(3):255-63.

John Spencer, et al. Synthesis and evaluation of metallocene containing methylidene-1,3-dihydro-2H-indol-2-ones as kinase inhibitors. *Metallomics*. 2011 Jun;3(6):600-8.

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