

Product Name	: (Z)-FeCP-oxindole
Synonyms	: —
Cat No.	: M33952
CAS Number	: 1137967-28-2
Molecular Formula	: C ₁₉ H ₁₅ FeNO
Formula Weight	: 329.17
Chemical Name	: —
Description	(Z)-FeCP-oxindole is a selective human vascular endothelial growth factor receptor 2 (VEGFR2) inhibitor with an IC ₅₀ value of 200 nM. (Z)-FeCP-oxindole can significantly inhibit VEGFR1 and PDGFRα or β at 10 μM. (Z)-FeCP-oxindole has some anticancer activity, acting on B16 murine melanoma lines with IC ₅₀ less than 1 μM.
Pathway	: Angiogenesis
Target	: VEGFR
Receptor	: VEGFR
Solubility	: In Vitro: DMSO : 50 mg/mL (151.90 mM; Ultrasonic)
SMILES	: <chem>C\([C-]12[Fe+2]3456789([CH]1=[CH]3[CH]4=[CH]52)[CH-]10[CH]6=[CH]7[CH]8=[CH]910)=C11/C=%12C(NC%11=O)=CC=CC%12</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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