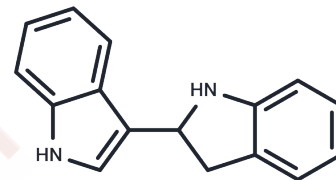


VPC-13163

Chemical Properties

CAS No. : 6637-10-1
 Formula: C₁₆H₁₄N₂
 Molecular Weight: 234.3
 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	VPC-13163 (NSC-52361) has strong anti-proliferative activity against LNCaP and Enzalutamide-resistant prostate cancer cell lines (MR49F) whereas it did not affect the growth of AR independent PC3 cell line. It also inhibits Prostate Specific Antigen (PSA) in both LNCaP and MR49F and reduces expression of AR target genes, PSA and TMPRSS2. These findings suggest that VPC-13566 exhibits AR BF3 specific mechanism of action.
Targets(IC50)	Others,Androgen Receptor

Solubility Information

Solubility	DMSO: 65 mg/mL (277.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.268 mL	21.3402 mL	42.6803 mL
5 mM	0.8536 mL	4.268 mL	8.5361 mL
10 mM	0.4268 mL	2.134 mL	4.268 mL
50 mM	0.0854 mL	0.4268 mL	0.8536 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

Frederick Glenn WEST, et al. Treatment of infectious disease.WO2019183729A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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