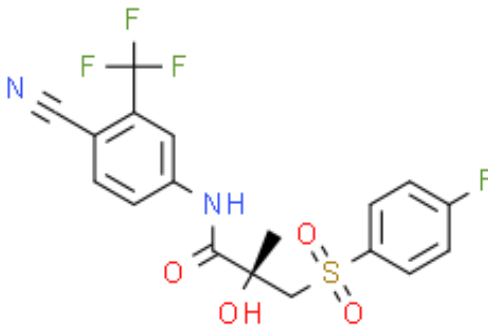


## Product Data Sheet

Cas No.:	113299-40-4	Cat. No:	PL01655
Product Name:	(R)-Bicalutamide		
Product synonym:	(R)-比卡鲁胺;(2R)-N-[4-氰基-3-三氟甲基苯基]-3-[(4-氟苯基)磺酰基]-2-羟基-2-甲基丙酰胺;(R)-(-)-比卡鲁胺;(R)-(-)-比卡鲁胺-D4;5-氨基-3-三氟甲基吡唑;R-(-)-比卡鲁胺;R-比卡鲁胺(R)-Bicalutamide;R-比鲁卡胺;比卡鲁胺R-异构体		
Chemical name:	(R)-Bicalutamide		
MF:	C18H14F4N2O4S	FW:	430.37
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	C[C@](C)(NC1=CC(C(F)(F)F)=C(C#N)C=C1)=O)(O)CS(=O)(C2=CC=C(F)C=C2)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

(R)-Bicalutamide 是 Bicalutamide (HY-14249) 的 R 型对映体。(R)-Bicalutamide 是一种雄激素受体 (AR) 拮抗剂, 具有抗肿瘤活性。(R)-Bicalutamide 广泛用于前列腺癌的研究。

生物活性	(R)-Bicalutamide is the (R)-enantiomer of Bicalutamide (HY-14249). (R)-Bicalutamide is an androgen receptor (AR) antagonist, with antineoplastic activity. (R)-Bicalutamide is widely used for the research of prostate cancer.
IC50 & Target[1][2]	AR
体外研究(In Vitro)	Bicalutamide (HY-14249) is available as a racemic mixture. The R isomer (R-bicalutamide) has an ≈30-fold higher binding affinity to the AR than the S isomer. (R)-bicalutamide (0.02-20 μM) reduces na?ve LNCaP cells survival in a dose-dependent manner. has not independently confirmed the accuracy of these methods. They are for reference only.Cell Proliferation Assay
体内研究(In Vivo)	(R)-Bicalutamide (10 mg/kg; i.g.; daily; for 4 days) has antitumor efficacy in VCaP xenografts mice. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model: CD1 male nude (nu/nu) mice

包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : 100 mg/mL (232.36 mM; Need ultrasonic)配制储备液