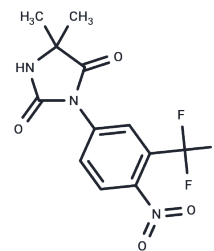


Nilutamide

Chemical Properties

CAS No. :	63612-50-0
Formula:	C ₁₂ H ₁₀ F ₃ N ₃ O ₄
Molecular Weight:	317.22
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Nilutamide (RU23908), an antineoplastic hormonal agent, is mainly used in the treatment of prostate Y. Nilutamide is a pure, nonsteroidal anti-androgen with affinity for androgen receptors, but not for estrogen, progestogen, or glucocorticoid receptors. Therefore, Nilutamide can block the action of androgens of testicular and adrenal origin that stimulate the growth of malignant and normal prostatic tissue. Prostate Y is mainly androgen-dependent and can be treat with chemical castration or surgical. So far, antiandrogen monotherapy has not consistently been certified to be equivalent to castration.
Targets(IC50)	Androgen Receptor

Solubility Information

Solubility	DMSO: 40 mg/mL (126.1 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	3.1524 mL	15.7619 mL	31.5239 mL
5 mM	0.6305 mL	3.1524 mL	6.3048 mL
10 mM	0.3152 mL	1.5762 mL	3.1524 mL
50 mM	0.063 mL	0.3152 mL	0.6305 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.

Reference

Raynaud JP. Am J Clin Oncol. 1988;11 Suppl 2:S132-47.

Du X, Yi X, Zou X, et al.PCDH1, a poor prognostic biomarker and potential target for pancreatic adenocarcinoma metastatic therapy.BMC Cancer.2023, 23(1): 1-17.

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