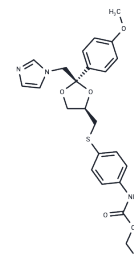


Erbulozole

Chemical Properties

CAS No. :	124784-31-2
Formula:	C ₂₄ H ₂₇ N ₃ O ₅ S
Molecular Weight:	469.55
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	Erbulozole (R 55104) is a potent synthetic microtubule inhibitor with anti-invasive, anti-tumor, and radiosensitizing activities that induces Wernicke's encephalopathy-like neurotoxicity.
Targets(IC50)	Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1297 mL	10.6485 mL	21.297 mL
5 mM	0.4259 mL	2.1297 mL	4.2594 mL
10 mM	0.213 mL	1.0648 mL	2.1297 mL
50 mM	0.0426 mL	0.213 mL	0.4259 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

W Distelmans, et al. Influence of the synthetic microtubule inhibitor erbulozole (P.I.N.N.) (R 55 104), a new tubulozole congener, and gamma irradiation on murine tumors in vivo. *Eur J Cancer Clin Oncol.* 1989 Oct;25(10): 1499-504.

Distelmans W, Van Ginckel R, Vanherck W, Willebrords R, De Brabander M, Wouters L, Heeres J. Influence of the synthetic microtubule inhibitor erbulozole (P.I.N.N.) (R 55 104), a new tubulozole congener, and gamma irradiation on murine tumors in vivo. *Eur J Cancer Clin Oncol.* 1989 Oct;25(10):1499-504. PubMed PMID: 2591442.

De Klippel N, De Keyser J, De Greve J, Van Belle S. A Wernicke's encephalopathy-like neurotoxicity induced by erbulozole. *Neurology.* 1991 May;41(5):762-3. PubMed PMID: 2027502.

Distelmans W, Van Ginckel R, Vanherck W, Willebrords R, Wouters L, De Brabander M, Mesens J. Erbulozole (P.I.N.N.) (R 55 104) encapsulated into cyclodextrins: has it a combined antitumoral and radioprotective potential? *Anticancer Res.* 1991 Jan-Feb;11(1):253-6. PubMed PMID: 2018359.

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