Data Sheet (Cat.No.T31899)

FY26

Chemical Properties

CAS No. :	1255143-82-8
Formula:	C23H28F6IN4OsP
Molecular Weight:	822.6
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	FY26 is a potent Os(II) anticancer drug candidate, exerts its activity by generating reactive oxygen species and disrupting the redox balance in cancer cells Coadministration of FY26 and nontoxic doses of L-BSO allows the potentiation of its anticancer activity, and most remarkably, it improves the selectivity for cancer cells versus normal fibroblasts.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2157 mL	6.0783 mL	12.1566 mL
5 mM	0.2431 mL	1.2157 mL	2.4313 mL
10 mM	0.1216 mL	0.6078 mL	1.2157 mL
50 mM	0.0243 mL	0.1216 mL	0.2431 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

Fu Y.; Habtemariam A.; Pizarro A. M.; van Rijt S. H.; Healey D. J.; Cooper P.; Shnyder S. D.; Clarkson G. J.; Sadler P. J. Organometallic Osmium Arene Complexes with Potent Cancer Cell Cytotoxicity. J. Med. Chem. 2010, 53, 8192-8196.10.1021/jm100560f

Romero-Canelón I, Mos M, Sadler PJ. Enhancement of Selectivity of an Organometallic Anticancer Agent by Redox Modulation. J Med Chem. 2015 Oct 8;58(19):7874-80. doi: 10.1021/acs.jmedchem.5b00655. Epub 2015 Sep 23. PubMed PMID: 26397305; PubMed Central PMCID: PMC4601049.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481