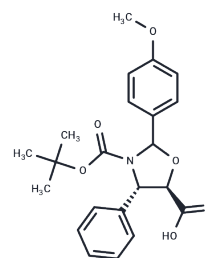


## Cabazitaxel Impurity C

## Chemical Properties

CAS No. :	196404-55-4
Formula:	C <sub>22</sub> H <sub>25</sub> N <sub>1</sub> O <sub>6</sub>
Molecular Weight:	399.44
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	(4S,5R)-3-tert-butoxycarbonyl-2-(4-anisyl)-4-phenyl-5-oxazolidinone-2-carboxylic acid a.k.a. polyene-paclitaxel side chain is used as a pharmaceutical intermediate mainly for synthesizing the drug polyene-paclitaxel.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 60 mg/mL (150.21 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	2.5035 mL	12.5175 mL	25.035 mL
5 mM	0.5007 mL	2.5035 mL	5.007 mL
10 mM	0.2504 mL	1.2518 mL	2.5035 mL
50 mM	0.0501 mL	0.2504 mL	0.5007 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

Sosonyuk SE, et al. Synthesis and cytotoxicity of novel simplified eleutherobin analogues as potential antitumour agents. *Org Biomol Chem.* 2019 Mar 6;17(10):2792-2797.

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