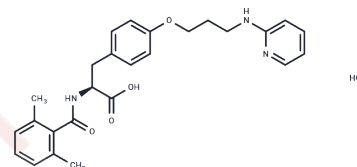


## K34c hydrochloride

## Chemical Properties

CAS No. :	2986315-25-5
Formula:	C <sub>26</sub> H <sub>30</sub> ClN <sub>3</sub> O <sub>4</sub>
Molecular Weight:	483.99
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	K34c hydrochloride is an alpha5β1 integrin antagonist for glioblastoma study.
Targets(IC50)	Integrin
In vitro	K34c (20 μM; 24 or 48 h) in combination with 1 μM Ellipticine induces significant apoptosis in U87MG cells.[1] K34c (20 μM; 48 h) significantly decreases Temozolomide-induced senescence in cells transfected with control nontargeting siRNA, without significantly affecting the residual. [1] K34c (20 μM; 24 h) alters the p53 pathway and senescence of cells transfected with siRNA specific for p53.[1]

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (56.82 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	2.0662 mL	10.3308 mL	20.6616 mL
5 mM	0.4132 mL	2.0662 mL	4.1323 mL
10 mM	0.2066 mL	1.0331 mL	2.0662 mL
50 mM	0.0413 mL	0.2066 mL	0.4132 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

Martinkova E, et al. alpha5beta1 integrin antagonists reduce chemotherapy-induced premature senescence and facilitate apoptosis in human glioblastoma cells. *Int J Cancer*. 2010;127(5):1240-1248.

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