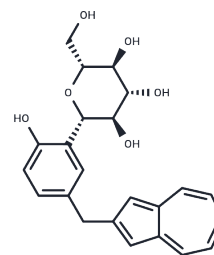


## YM543 free base

## Chemical Properties

CAS No. :	655237-16-4
Formula:	C <sub>23</sub> H <sub>24</sub> O <sub>6</sub>
Molecular Weight:	396.43
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	YM543 free base, a potent and orally active sodium-glucose cotransporter (SGLT) 2 inhibitor, effectively reduces blood glucose levels and is suitable for diabetes research.
Targets(IC50)	Others,SGLT
In vitro	VP-4604 (2.5 mM) showed low toxicity towards mammalian cells and was tolerated by mammalian cells (HaCaT, lymphocytes) with inhibition growth (%) of 44.1% and >50%, respectively.[1] VP-4604 (2.5 mM, 18 h) inhibits drug-resistant S. aureus and P. aeruginosa with growth inhibition (%) GI >95% [1]. VP-4604 shows low cytotoxicity with a CC 50 value >118.4 mM towards HEK-293 (human embryonic kidney) ATCC CRL-1573 and an HC 10 vaule >118.4 μM towards RBC (human red blood cells).[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5225 mL	12.6126 mL	25.2251 mL
5 mM	0.5045 mL	2.5225 mL	5.045 mL
10 mM	0.2523 mL	1.2613 mL	2.5225 mL
50 mM	0.0505 mL	0.2523 mL	0.5045 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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