

## Data Sheet (Cat.No.T6520)

### Grape Seed Extract

#### Chemical Properties

CAS No.:	84929-27-1	
Formula:	C32H30O11	N/A
Molecular Weight:	590.58	
Appearance:	N/A	
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).	

#### Biological Description

Description	Grape Seed Extract is exudate from seeds of the grape plant <i>Vitis vinifera</i> , composed of oils and secondary plant metabolites (BIOFLAVONOIDS and polyphenols) credited with important medicinal properties.
Targets(IC <sub>50</sub> )	Others: None

#### Solubility Information

Solubility	DMSO: 87 mg/mL Ethanol: <1 mg/mL Water: <1 mg/mL ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.693 mL	8.466 mL	16.933 mL
5 mM	0.339 mL	1.693 mL	3.387 mL
10 mM	0.169 mL	0.847 mL	1.693 mL
50 mM	0.034 mL	0.169 mL	0.339 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- Liu, Q., Jiang, J., Liu, Y., Ge, L., Guan, Y., & Zhao, W. et al. (2017). Grape seed extract ameliorates bleomycin-induced mouse pulmonary fibrosis. *Toxicology Letters*, 273, 1-9. doi: 10.1016/j.toxlet.2017.03.012
- Martincigh, B., & Ollengo, M. (2016). The Photostabilizing Effect of Grape Seed Extract on Three Common Sunscreen Absorbers. *Photochemistry And Photobiology*, 92(6), 870-884. doi: 10.1111/php.12652
- Weseler, A., & Bast, A. (2017). Masquelier' s grape seed extract: from basic flavonoid research to a well-characterized food supplement with health benefits. *Nutrition Journal*, 16(1). doi: 10.1186/s12937-2016-0218-1

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