

## Titanium(IV) oxide

Cat. No.:	HY-W051271
CAS No.:	13463-67-7
Molecular Formula:	O <sub>2</sub> Ti
Molecular Weight:	79.87
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### BIOLOGICAL ACTIVITY

#### Description

Titanium(IV) oxide is a photosensitizer. Titanium(IV) oxide can be used as an excipient, such as glidant, coating agent, opacifier, coloring agent. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs<sup>[1][2]</sup>.

### REFERENCES

- [1]. Augustynski J. Aspects of photo-electrochemical and surface behaviour of titanium (IV) oxide[M]//Solid Materials. Berlin, Heidelberg: Springer Berlin Heidelberg, 2005: 1-61.
- [2]. Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. Eur J Pharm Sci. 2016 May 25;87:88-99.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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