

## Tween 80

Cat. No.:	HY-Y1891
CAS No.:	9005-65-6
Target:	Others
Pathway:	Others
Storage:	Pure form -20°C 3 years 4°C 2 years

# Tween 80

### BIOLOGICAL ACTIVITY

<b>Description</b>	Tween 80 is a surfactant which can also reduce bacterial attachment and inhibit biofilm formation.
<b>In Vitro</b>	Tween 80 is a surfactant which can also reduce bacterial attachment and inhibit biofilm formation <sup>[1]</sup> . Solubility enhancement as high as 100-fold is achieved using 1% Tween 80 in vitro <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Tween-80 (IP; 10 ml/kg) significantly decreases locomotor activity at a concentration of 32% in saline (v/v) in male outbred (BALB/c x DBA/Z)F1 mice weighing 24-30 g <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Cancer Res. 2021 Jan 25;canres.2808.2020.
- Insects. 2019 Feb 20;10(2):58.

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### REFERENCES

[1]. Brandl MT, et al. Effect of the surfactant tween 80 on the detachment and dispersal of Salmonella enterica serovar Thompson single cells and aggregates from cilantro leaves as revealed by image analysis. Appl Environ Microbiol. 2014 Aug;80(16):5037-42.

[2]. Pan Y, et al. Pharmacokinetics study of ferulic acid in rats after oral administration of  $\gamma$ -oryzanol under combined use of Tween 80 by LC/MS/MS. Eur Rev Med Pharmacol Sci. 2014;18(2):143-50.

[3]. C A Castro, et al. Behavioral effects of vehicles: DMSO, ethanol, Tween-20, Tween-80, and emulphor-620. Pharmacol Biochem Behav. 1995 Apr;50(4):521-6.

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

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