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Data Sheet

Anhydrotetracycline hydrochloride (AHT)

Cat. No.: 2-0401-001, 2-0401-002

Version: 8.1
Revision Date: 28.07.2021

Description	Anhydrotetracycline is an efficient inducer of the tetracycline promoter on pASK-IBA vectors*.
Full Name/CAS-No.	Anhydrotetracycline hydrochloride, 13803-65-1
Formula	$C_{22}H_{22}N_2O_7 \cdot HCl$
MW	462.88 g/mol
Form	Powder
Stability	12 months after shipping
Storage	Recommended: -25 to -15 °C, protect from moisture and light. Alternatively, product can be dissolved in DMF or ethanol.
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
Application	For induction of an E. coli shaking culture carrying a pASK-IBA expression plasmid it is used in a final concentration of 200 µg per liter culture using a 2 mg/ml (in DMF; N,N-Di-Methyl-Formamide or ethanol) stock solution.

* Skerra (1994). Use of the tetracycline promoter for the tightly regulated production of a murine antibody fragment in Escherichia coli. Gene 151, 131-135.

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