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## Data Sheet

# Anhydrotetracycline hydrochloride (AHT)

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

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<b>Description</b>	Anhydrotetracycline is an efficient inducer of the tetracycline promoter on pASK-IBA vectors*.
<b>Full Name/CAS-No.</b>	Anhydrotetracycline hydrochloride, 13803-65-1
<b>Formula</b>	$C_{22}H_{22}N_2O_7 \cdot HCl$
<b>MW</b>	462.88 g/mol
<b>Form</b>	Powder
<b>Stability</b>	12 months after shipping
<b>Storage</b>	Recommended: -25 to -15 °C, protect from moisture and light. Alternatively, product can be dissolved in DMF or ethanol.
<b>Shipping</b>	Room temperature
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
<b>Application</b>	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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