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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

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|--------------------------|---|
| 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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