



## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Monastrol**  
[4-(39Hydroxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydro-4*H*-pyrimidin-5-carboxylic acid ethyl ester]  
C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>S, M.W. 292.4, CAS# [329689-23-8]

**PRODUCT NUMBER:** M-1116

**LOT NUMBER:** A9877

**APPEARANCE:** White Solid

**PURITY (TLC):** ≥95% (6% methanol:methylene chloride; R<sub>f</sub> = 0.2, single spot)

**MELTING POINT:** 179 - 180°C

**SOLUBILITY:** Soluble in 100% ethanol (4 mg/ml) and DMSO (20 mg/ml)

**OTHER DATA:** Cell permeable non-tubulin-interacting mitosis inhibitor. Blocks mitosis (IC<sub>50</sub> = 14μM) by binding to the mitotic kinesin Eg5.

**STORAGE:** Keep cool and dry at -20°C. **PROTECT FROM LIGHT!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: **KT**