

CERTIFICATE of ANALYSIS

PRODUCT: **GSK-3 β Inhibitor I; TDZD-8**
[4-Benzyl-2-methyl-1,2,4,-thiadiazolidine-3,5-dione];
C₁₀H₁₀N₂SO₂, M.W. 222.3, CAS# [327036-89-5]

PRODUCT NUMBER: T-1132

LOT NUMBER: D1056

APPEARANCE: White solid

SOLUBILITY: Soluble in DMSO (10 mg/ml)

PURITY (HPLC): 99.0%

PRODUCT DESCRIPTION: A thiadiazolidinone (TDZD) analog that acts as a highly selective, non-ATP competitive inhibitor of GSK-3 β (IC₅₀ = 2 μ M). Inhibits Flt-3 and PKC activities (IC₅₀ = 673nM and 1.4-5.5 μ M, respectively). Does not significantly affect the activities of Cdk-1/cyclin B, CK-II, and PKA, (IC₅₀ > 100 μ M). Binds to the active site of GSK-3 β .

COUNTRY of ORIGIN: U.S.A.

STORAGE & HANDLING: Store desiccated at +4°C. Keep under inert gas.
PROTECT FROM LIGHT! WARNING: HARMFUL!

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:

