

CERTIFICATE OF ANALYSIS

PRODUCT:	CGP-37157 7-Chloro-5-(2-chlorophenyl)-1,5-dihydro-4,1-benzothiazepin-2(3H)-one C₁₅H₁₁Cl₂NOS, M.W. 324.23, CAS# [75450-34-9]
PRODUCT NUMBER:	C-2563
LOT NUMBER:	H1013
APPEARANCE:	White to off-white solid
ANALYSIS (TLC):	> 99%
NMR :	Conforms
SOLUBILITY:	May be dissolved in DMSO @ 30 mg/ml.
PHARMACOLOGY:	A benzothiazepine compound that acts as a potent inhibitor of mitochondrial Na ⁺ /Ca ²⁺ exchanger (NCX) in isolated heart mitochondria. Does not inhibit the plasmalemmal NCX. Also inhibits voltage-gated Ca ²⁺ channels in intact cells and therefore its use in cellular studies must employ adequate controls. Prevents sudden death in a Guinea pig model of heart failure. Displays pronounced cytoprotective effects in chromaffin cells and in neuronal injury models. Blood-brain barrier permeant.
STORAGE & HANDLING:	Store desiccated at +4°C. 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: **KS**