PRODUCT DATA SHEET

ALX-550-304 Valproic acid . sodium salt
[2-Propylpentanoic acid . Na, Sodium 2-propylpentanoate]

Product Number/Sizes
ALX-550-304-G005 5 g Lot: L27943

Anticonvulsant, anti-depressant and potent teratogen. Inhibits histone deacetylase 1 (HDAC1) (IC₅₀=0.4mM). Inhibitor of human cytochrome P450 2C9 isoform (Kᵢ=600µM). Inducer of apoptosis in human leukemia cells. In nude mice experiments, inhibits significantly human uterine tumor growth without toxic side effects.

Product Specifications
FORMULA: C₉H₁₅O₂ · Na
MW: 143.2 . 23.0
PURITY: ≥98% (Assay) (Actual lot: GC 100%, titration 100%)
APPEARANCE: White to off-white powder. (Actual lot: white powder.)
CAS: 1069-66-5
MI: 14: 9913
SOLUBILITY: Soluble in water (50mg/ml) or 100% ethanol.
HANDLING: Hygroscopic.

Product Literature References

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA: This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet.

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Date: July 6, 2011