



CERTIFICATE of ANALYSIS

PRODUCT:	(R,S)- Rolipram (R,S)-4-(3-(Cyclopentyloxy)-4-methoxyphenyl)pyrrolidin-2-one C ₁₆ H ₂₁ NO ₃ , M.W. 275.35, CAS# [61413-54-5]
PRODUCT NUMBER:	R-1012
LOT NUMBER:	B1861
APPEARANCE:	White solid
HPLC (RP ANALYSIS):	> 99%
TLC (1:1:0.1: hexane/EtOAc: MeOH):	Rf = 0.20 visualized by UV and KMnO ₄
NMR :	Consistent with structure (300MHz ¹ H spectrum in CDCl ₃ , < 1% of any impurity)
SOLUBILITY:	Soluble in DMSO to 100mM and in ethanol to 100mM
MICROANALYSIS:	Consistent with the batch molecular formula
STORAGE & HANDLING:	Desiccate and store at +4°C. <u>WARNING: IRRITANT!</u>

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: DD