2,5-Dibromohexanediamide (**2**)

T

Int= average of normalized integrals values
MW =molecular weight
P =Purity (as percent value)
m=mass
n= number of protons giving rise to a given NMR signal

$n_2 = 2$ $\qquad$ $n_T = 3$
$Int_2 = 1.60$ $\qquad$ $Int_T = 3.00$
$MW_2 = 301.97$ $\qquad$ $MW_T = 168.19$
$m_2 = 26.6$ mg $\qquad$ $m_T = 18.1$ mg
mmol $= 0.0881$ $\qquad$ mmol $= 0.1076$
$\qquad\qquad\qquad$ $P_T = 99.99\%$

$$P(\%) = \left(\frac{n_T \cdot Int_2 \cdot MW_2 \cdot m_T}{n_2 \cdot Int_T \cdot MW_T \cdot m_2} \right) \cdot P_T \quad = 97.7$$