

Answer on Question #80330, Chemistry / Organic Chemistry

The largest known cycloalkane with a single ring has 288 carbons. What is its molecular formula?

Solution

In organic chemistry, the cycloalkanes are the monocyclic saturated hydrocarbons with chemical formula C_nH_{2n} . So, molecular formula for cycloalkane with a single ring which has 288 carbon atoms is $C_{288}H_{576}$.

Answer: $C_{288}H_{576}$