Phenformin hydrochloride

ALTERNATE NAME: 2-(N-phenethylcarbamimidoyl)guanidine, hydrochloride; phenethylbiguanide hydrochloride

CATALOG #: 1889-100, 1000

AMOUNT: 100 mg, 1 g

STRUCTURE:

\[
\begin{align*}
\text{MOLECULAR FORMULA:} & \quad C_{10}H_{15}N_5 \cdot HCl \\
\text{MOLECULAR WEIGHT:} & \quad 241.72 \\
\text{CAS NUMBER:} & \quad 834-28-6 \\
\text{APPEARANCE:} & \quad \text{White solid} \\
\text{SOLUBILITY:} & \quad \text{H}_2\text{O (50 mg/ml)} \\
\text{PURITY:} & \quad \geq 97\% \text{ by TLC} \\
\text{STORAGE:} & \quad \text{Store at -20°C} \\
\text{DESCRIPTION:} & \quad \text{An anti-diabetic drug of the biguanide class. Increases AMPK activity without increasing AMP/ATP. Also acts as a mitochondrial complex I inhibitor.} \\
\text{HANDLING:} & \quad \text{Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.}
\end{align*}
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FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:
- A-769662 (Cat. No. 1719-5)
- AICAR (Cat. No. 1687-50)
- Ciglitazone (Cat. No. 1695-5)
- Dorsomorphin (Cat. No. 1686-5)
- Glibenclamide (Cat. No. 1878-100, 1000)
- Metformin, Hydrochloride (Cat. No. 1691-5G)
- Pioglitazone Hydrochloride (Cat. No. 1877-5, 25)
- Rosiglitazone (Cat. No. 1559-5, 50, 100)
- Troglitazone (Cat. No. 1696-5)