PRODUCT INFORMATION

1'-hydroxy Bufuralol
Item No. 22160

CAS Registry No.: 57704-16-2
Formal Name: \( \alpha^2\)-[[1,1-dimethylethyl]amino]methyl-\( \alpha^2\)-methyl-2,7-benzofurandimethanol
Synonym: Ro 03-7410
MF: \( \text{C}_{16}\text{H}_{23}\text{NO}_3 \)
FW: 277.4
Purity: \( \geq 97\% \)
Supplied as: A solid
Storage: -20°C
Stability: \( \geq 2 \) years
Special Conditions: Hygroscopic

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

1'-hydroxy Bufuralol is supplied as a solid. A stock solution may be made by dissolving the 1'-hydroxy bufuralol in the solvent of choice. 1'-hydroxy Bufuralol is soluble in the organic solvent chloroform, which should be purged with an inert gas. 1'-hydroxy Bufuralol is slightly soluble in methanol.

Description

1'-hydroxy Bufuralol is a metabolite of bufuralol (Item No. 17794). Bufuralol is metabolized by the cytochrome P450 isoforms 2D1 and 2D2 (CYP2D1/2); therefore, quantification of the bufuralol metabolite, 1'-hydroxy bufuralol, can be used to determine CYP2D1/2 enzyme activity in humans and rats.\(^1\)\(^2\)

References