



# **TENNESSEE BUREAU OF INVESTIGATION**

## *Forensic Services Division*

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### Forensic Chemistry Standard Operating Procedure Manual Analytical Considerations for Potential Breakdown Compounds

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#### **32.0 ANALYTICAL CONSIDERATIONS FOR POTENTIAL BREAKDOWN COMPOUNDS**

Some compounds, such as dichloralphenazone, clorazepate, and modafinil, exhibit breakdown when subjected to acids, bases, heat, certain solvents, or other common laboratory procedures.

These compounds are typically found in marked pharmaceutical preparations and can be presumptively recognized using acceptable pharmaceutical identifiers. These compounds can be confirmed using GC-MS **only** if they demonstrate the same behavior as that of the known standards under the same conditions.