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## Certificate of Analysis

Product Name:

TP-064 TFA salt - ≥98% (HPLC)

**Product Number:** SML1849  
**Batch Number:** 017M4625V  
**Brand:** SIGMA  
**Formula:** C<sub>28</sub>H<sub>34</sub>N<sub>4</sub>O<sub>2</sub>  
**Formula Weight:** 458.61 g/mol  
**Storage Temperature:** Store at -20 °C  
**Quality Release Date:** 01 FEB 2017

Test	Specification	Result
Appearance (Color)	White to Yellow to Brown	Light Brown
Appearance (Form)	Powder	Powder
Elemental Composition C <sub>28</sub> H <sub>34</sub> N <sub>4</sub> O <sub>2</sub> .CF <sub>3</sub> CO <sub>2</sub> H	Pass	Pass
ELEMENTAL ANALYSIS X VALUE H <sub>2</sub> O (moles)	0.0 - 4.0	0.8
Purity (HPLC)	≥ 98.0 %	98.1 %
Identity	Confirmed	Confirmed



Brendan Nye, QC Supervisor  
Quality Control  
Natick, Massachusetts US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.