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Print Date: Jan 15th 2016

Certificate of Analysis

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Product Name: **PETCM** **Catalog No.: 1758** **Batch No.: 1**

CAS Number: 10129-56-3

IUPAC Name: α-(Trichloromethyl)-4-pyridineethanol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_8H_8Cl_3NO$

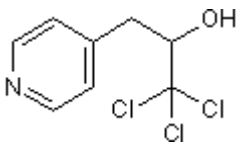
Batch Molecular Weight: 240.52

Physical Appearance: Tan crystalline solid

Solubility: 1eq. HCl to 50 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.38 (Ethyl acetate)

Melting Point: Between 168 - 170°C

HPLC: Shows 100% purity

^{1}H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	39.95	3.35	5.82
Found	39.89	3.39	5.65

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Product Name: **PETCM** **Catalog No.: 1758** **Batch No.: 1**

CAS Number: 10129-56-3

IUPAC Name: α-(Trichloromethyl)-4-pyridineethanol

Description:

Caspase-3 activator. Acts via inhibition of the oncoprotein ProT, therefore stimulates apoptosome formation and subsequent caspase-3 activation in a cytochrome c-dependent manner.

Physical and Chemical Properties:

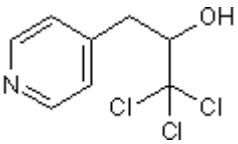
Batch Molecular Formula: $C_8H_8Cl_3NO$

Batch Molecular Weight: 240.52

Physical Appearance: Tan crystalline solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

1eq. HCl to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Jiang *et al* (2003) Distinctive roles of PHAP proteins and prothymosin-α in a death regulatory pathway. Science ***299*** 223. PMID: 12522243.

Nguyen and Wells (2003) Direct activation of the apoptosis machinery as a mechanism to target cancer cells. Proc.Natl.Acad.Sci.U.S.A. ***100*** 7533. PMID: 12808146.

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