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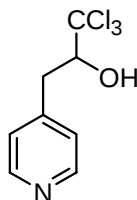
Product Information

PETCM

Product Number **P 0871**

Store: Ambient

Chemical Name: α -(Trichloromethyl)-4-pyridineethanol;
1-(4-Pyridyl)-2-hydroxy-3,3,3-trichloropropane



Product Description

Molecular Formula: $C_8H_8NOCl_3$

Molecular Weight: 240.5

PETCM is a small molecule activator of apoptosis identified by using high-throughput screening in a panel of cancer cells in culture. PETCM is a selective activator of caspase 3, which acts by inhibiting the oncoprotein, prothymosin- α (ProT), therefore stimulating apoptosome formation and followed by caspase 3 activation. ProT acts by preventing apoptosome formation, while PETCM antagonizes ProT inhibition of apoptosome formation, leading to the downstream activation of caspase 3.

References

1. Jiang, et al., Distinctive roles of PHAP proteins and prothymosin- α in a death regulatory pathway. *Science*, **299**, 223-226 (2003).

KAA 01/04

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