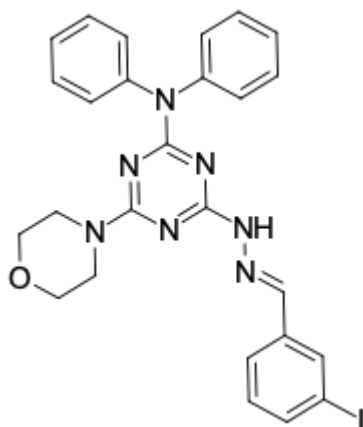


Vacuolin-1

<http://www.lumiprobe.com/p/vacuolin-1-351986-85-1>

Vacuolin-1 is a triazine-based small chemical, a specific inhibitor of Ca^{2+} -dependent lysosomal exocytosis. The inhibitor penetrates the cell, blocking the fusion of lysosomes with the plasma membrane. Vacuolin-1 does not affect other membrane-bound organelles and endocytic or secretory traffic. The inhibitor is widely used in studies on the release of lysosomal content and the modulation of autophagy.



Structure of Vacuolin-1

General properties

Appearance: white powder

Molecular weight: 577.43

CAS number: 351986-85-1

Molecular formula: C₂₆H₂₄IN₇O

IUPAC name: 3-Iodobenzaldehyde [4-(diphenylamino)-6-(4-morpholinyl)-1,3,5-triazin-2-yl]hydrazone

Solubility: soluble in DMSO

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.