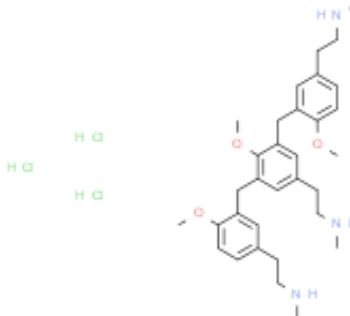


Product Data Sheet

| | | | |
|----------------------------------------------------------|------------------------------------------------------------------------------------|--------------|------------------|
| Cas No.: | 848035-21-2 | Cat. No: | PL09423 |
| Product Name: | Compound 48/80 trihydrochloride | | |
| Product synonym: | 化合物 T13623 | | |
| Chemical name: | Compound 48/80 trihydrochloride | | |
| MF: | C32H48CL3N3O3 | FW: | 629.100826263428 |
| Purity: | ≥99% | Batch No.: | - |
| Storage: | | | |
| Structural formula: |  | | |
| λmax: | - | Formulation: | - |
| Solubility : | | | |
| SMILES : | Cl.Cl.Cl.O(C)C1C(=CC(CCNC)=CC=1CC1C(=CC=C(CCNC)C=1)OC)CC1C(=CC=C(CCNC)C=1)OC | | |
| InChI Code: | - | | |
| InChI Key: | | | |
| WARNING This product is not for human or veterinary use. | | | |

Product Description

Compound 48/80 trihydrochloride (C48/80 trihydrochloride) 是 N-甲基对甲氧基苯乙胺与甲醛缩合产物的混合物。Compound 48/80 trihydrochloride 也是一种组胺 (histamine) 释放剂和肥大细胞 (mast cell) 脱颗粒剂。Compound 48/80 trihydrochloride 抑制人血小板磷脂酰肌醇特异性磷脂酶 C (phosphatidylinositol-specific phospholipase C) 活性。

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| 生物活性 | Compound 48/80 trihydrochloride (C48/80 trihydrochloride) is a mixture of condensation products of N-methyl-p-methoxyphenethylamine with formaldehyde. Compound 48/80 trihydrochloride is also a histamine releaser and a mast cell degranulator. Compound 48/80 inhibits phosphatidylinositol-specific phospholipase C activity from human platelets . |
| 体外研究(In Vitro) | Compound 48/80 trihydrochloride (C48/80 trihydrochloride) inhibits both cytosolic and particulate phosphatidylinositol-specific phospholipase C activities with a similar efficiency; IC50 values are 2.1 µg/ml (supernatant) and 5.0 µg /ml (particulate fraction). The aggregation of human platelets induced by ADP and PAF-acether is inhibited by Compound 48/80. has not independently confirmed the accuracy of these methods. They are for reference only. |

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| 体内研究(In Vivo) | Compound 48/80 trihydrochloride (0.75 mg/kg; i.p.; Killed after 0.5, 3 or 6 h) increases serum serotonin, histamine and corticosterone levels at 0.5 h, but their increases were reduced thereafter. Compound 48/80 trihydrochloride causes oxidative stress in rat adrenal gland through mast cell degranulation. has not independently confirmed the accuracy of these methods. They are for reference only. |
| 包装储存 | 4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |
| 溶解度数据 | In Vitro: H ₂ O : 25 mg/mL (39.74 mM; Need ultrasonic)DMSO : 10 mg/mL (15.90 mM; ultrasonic and warming and heat to 60°C) 配制储备液 |