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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : ACG-548B                                                                                                                                                                                                                         |
| <b>Synonyms</b>          | : ACG 548B                                                                                                                                                                                                                         |
| <b>Cat No.</b>           | : M15978                                                                                                                                                                                                                           |
| <b>CAS Number</b>        | : 795316-16-4                                                                                                                                                                                                                      |
| <b>Molecular Formula</b> | : C <sub>38</sub> H <sub>34</sub> Br <sub>2</sub> Cl <sub>2</sub> N <sub>4</sub>                                                                                                                                                   |
| <b>Formula Weight</b>    | : 777.43                                                                                                                                                                                                                           |
| <b>Chemical Name</b>     | : 1,1'-[1,1'-biphenyl]-3,3'-diylbis(methylene))bis(4-((4-chlorophenyl)(methyl)amino)pyridin-1-ium) bromide                                                                                                                         |
| <b>Description</b>       | : A potent, selective choline kinase α (ChoKα) inhibitor with IC <sub>50</sub> of 0.12 μM, >400-fold selectivity over ChoKβ; demonstrates in vitro antiproliferative activity against HT29 cells with IC <sub>50</sub> of 2.08 μM. |
| <b>Pathway</b>           | : Others                                                                                                                                                                                                                           |
| <b>Target</b>            | : ChoK                                                                                                                                                                                                                             |
| <b>Receptor</b>          | : ChoK                                                                                                                                                                                                                             |
| <b>Solubility</b>        | : —                                                                                                                                                                                                                                |
| <b>SMILES</b>            | : <chem>CN(C1=CC=[N+](CC2=CC(C3=CC=CC(C[N+]4=CC=C(N(C5=CC=C(Cl)C=C5)C=C4)=CC=C2)C=C1)C6=CC=C(Cl)C=C6.[Br-].[Br-])</chem>                                                                                                           |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                          |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                        |
| <b>Reference</b>         | :                                                                                                                                                                                                                                  |

1. Lacal JC, et al. Mol Cancer Ther. 2015 Jan;14(1):31-9. 2. Patent US 20110178124 A1. Pyridinium and quinolinium derivatives.