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## Product Data Sheet

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Product Name: Exeporfinium chloride

Cat. No.: GB62189

**Chemical Properties**

Cas. No. 718638-68-7

C[N+](C)

SMILES (C)CCCOC(C=C1)=CC=C1/C2=C(N/3)\C=CC3=C\C4=N/C(C=C4)=C(C5=CC=C(OCCC[N+](C)(C)C)C=C5)\C(N6)=CC=C6/C=C7C=CC2=N/7.[Cl-].[Cl-]

Formula C44H50Cl2N6O2 M.Wt 765.824

Solubility Soluble in DMSO, not in water Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure **Background**

Exeporfinium, also known as XF-73, is an anti-microbial which works via weakening bacteria cell walls. Exeporfinium chloride is a potential treatment for methicillin-resistant *Staphylococcus aureus* (MRSA) and possibly *Clostridium difficile*. Exeporfinium chloride has completed a phase I clinical trial for nasal decolonisation of MRSA—being tested against 5 bacterial strains. It seems unlikely to cause MRSA to develop resistance to it. Structurally it is a dicationic porphyrin.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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