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**Product Data Sheet**

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Product Name: Banoxantrone D12 (AQ4N D12)

Cat. No.: GC33240

**Chemical Properties**

Cas. No. 1562067-05-3

SMILES O=N(C([2H])([2H])[2H])(C([2H])([2H])[2H])CCNC1=CC=C(NCCN(C([2H])([2H])[2H])(C([2H])([2H])[2H])=O)C(C(C2=C(O)C=CC(O)=C23)=O)=C1C3=OFormula C<sub>22</sub>H<sub>16</sub>D<sub>12</sub>N<sub>4</sub>O<sub>6</sub>

M.Wt

456.55

Solubility Soluble in DMSO

Storage

Store at -20°C

General tips

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

Structure **Background**

Banoxantrone D12 (AQ4N D12) is the deuterium labeled banoxantrone. Banoxantrone is a novel bioreductive agent that can be reduced to a stable, DNA-affinic compound AQ4, which is a potent topoisomerase II inhibitor.

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

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