**Certificate of Analysis** 



## **Arcaine (sulfate)**

Cat. No.: HY-100920 CAS No.: 14923-17-2 Batch No.: 362831

**Chemical Name:** Guanidine, N,N'''-1,4-butanediylbis-, sulfate (1:1)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_6H_{18}N_6O_4S$ Molecular Weight: 270.31

Storage: Powder -20°C 3 years

> 2 years 4°C

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

$$\begin{array}{c|c} NH & H \\ H_2N & N \\ H & O \\ HO-S \\ O \\ O \\ O \end{array}$$

## ANALYTICAL DATA

Appearance: White to off-white (Solid) <sup>1</sup>H NMR Spectrum: Consistent with structure MS: Consistent with structure

Purity (NMR): ≥98.0%

Conclusion: The product has been tested and complies with the given specifications.

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

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