



CERTIFICATE OF ANALYSIS

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1. Identification

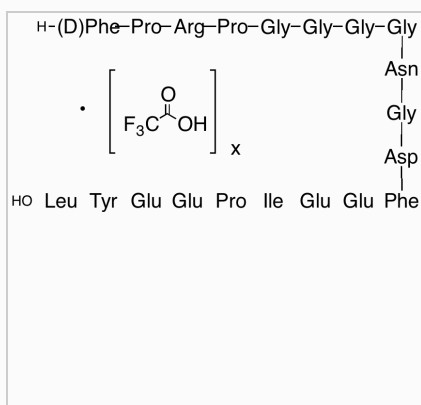
Catalogue Number: B591630

CAS Number: 1124915-67-8

Product: Bivalirudin Trifluoroacetic Acid Salt

Synonym: D-Phenylalanyl-L-prolyl-L-arginyl-L-prolyl-glycylglycylglycylglycyl-L-asparaginyglycyl-L- α -aspartyl-L-phenylalanyl-L- α -glutamyl-L- α -glutamyl-L-isoleucyl-L-prolyl-L- α -glutamyl-L- α -glutamyl-L-tyrosyl-L-leucine Trifluoroacetic Acid Salt; Angiomax; Angiox; BG 8967; Hirulog; Hirulog1; Kangio;

Structure:



Molecular Formula:

$\text{C}_{98}\text{H}_{138}\text{N}_{24}\text{O}_{33} \cdot (\text{C}_2\text{HF}_3\text{O}_2)_x$

Molecular weight:

$2180.29 + x(114.02)$

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 2-JLW-143-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.09% (200 nm)
F NMR	Conforms to Structure	Conforms
TFA Content	Report Result	10.37% by Ion Chromatography
Elemental Analysis	Conforms	%C: 47.62, %H: 6.04, %N: 13.09

Additional Information:

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By

Sarbjit Kaur

**Reviewed By**

Toni Rantanen

**C of A Approved
By**

Chanell Chu

**Test Date**

6/1/2023

Retest Date

5/30/2027