

N14G-Fe

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	N14G-Fe, the Fe <sup>3+</sup> chelated form of N14G, can identify Mycobacterium tuberculosis in sputum samples from tuberculosis patients, exhibiting exceptional fluorescence properties. Additionally, N14G-Fe effectively traverses the cell wall and the inner membrane region where IrtAB is located.
Targets(IC50)	Antibacterial
In vitro	N14G-Fe (0.1 μM, 1 h, red) can detect Mycobacterium smegmatis at concentrations as low as 1–10 nM in under five minutes of incubation time.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481