Product Name: Guanethidine sulfate
CAS No.: 645-43-2
Cat. No.: HY-B0800
MWt: 296.39
Formula: C10H24N4O4S
Purity: >98%

Solubility: soluble in water (> 10 mM)

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
Guanethidine is an antihypertensive drug that reduces the release of catecholamines, such as norepinephrine.
IC50 value:
Target:
Guanethidine is transported across the sympathetic nerve membrane by the same mechanism that transports norepinephrine itself (NET, uptake 1), and uptake is essential for the drug’s action. Once guanethidine has entered the nerve, it is concentrated in transmitter vesicles, where it replaces norepinephrine. It may also inhibit the release of granules by decreasing norepinephrine.

References: