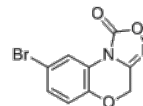


**Product Name** : NS-2028  
**Cat. No.** : PC-61610  
**CAS No.** : 204326-43-2  
**Molecular Formula** : C<sub>9</sub>H<sub>5</sub>BrN<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 269.1  
**Target** : Guanylate Cyclase  
**Solubility** : 10 mM in DMSO



## Biological Activity

NS-2028 (NS2028) is a potent, specific **soluble guanylate cyclase** (sGC) inhibitor with IC<sub>50</sub> of 30 and 200 nM for basal and NO-stimulated enzymes, respectively.

NS-2028 inhibits S-nitroso-glutathione-enhanced guanylyl cyclase activity in mouse cerebellum homogenates with IC<sub>50</sub> of 17 nM, displays 4.7 fold more potent than ODQ (IC<sub>50</sub>=80 nM).

NS-2028 inhibits NO-dependent relaxant responses in non-vascular smooth muscle.

## References

Olesen SP, et al. *Br J Pharmacol*. 1998 Jan;123(2):299-309.

Callsen D, et al. *J Immunol*. 1998 Nov 1;161(9):4852-8.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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