**Product Data Sheet**

**Product Name:** NS-1619  
**CAS No.:** 153587-01-0  
**Cat. No.:** HY-12496  
**MWt:** 362.23  
**Formula:** C15H8F6N2O2  
**Purity :** >98%  

**Solubility:** DMSO 5.3 mg/ml; Water < 1 mg/ml

**Mechanisms:**  
Pathways: Membrane Tranporter/Ion Channel; Target: Potassium Channel

**Biological Activity:**  
NS-1619 is a selective large conductance Ca2+-activated K+ channel activator. 
IC50 value: 
Target: Ca2+-activated K+ channel activator 
NS 1619 (3-100 microM) produced a concentration-dependent inhibition of spontaneous activity in rat portal vein characterized by a reduction in the amplitude and duration of the tension waves. This inhibition was slightly potentiated in the presence of either charybdotoxin (250 nM) or penitrem A (1 microM) [1]. NS-1619 induced concentration-dependent activation of BKCa channels with a calculated EC50 of 32 microM. The NS 1619-induced activity was dependent on the presence of free Ca2+ at the intracellular surface, but was not associated with a change in channel voltage sensitivity [2]. NS 1619 (50 microM) inhibited the noradrenaline-induced contraction. NS 1619 (10-100 microM) reduced the high K+-induced contractions in a noncompetitiv...

**References:**

**Caution: Not fully tested. For research purposes only**

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