MUSK

(Muscle, skeletal receptor tyrosine protein kinase [Precursor], Muscle-specific tyrosine protein kinase receptor, Muscle-specific kinase receptor, MUSK)

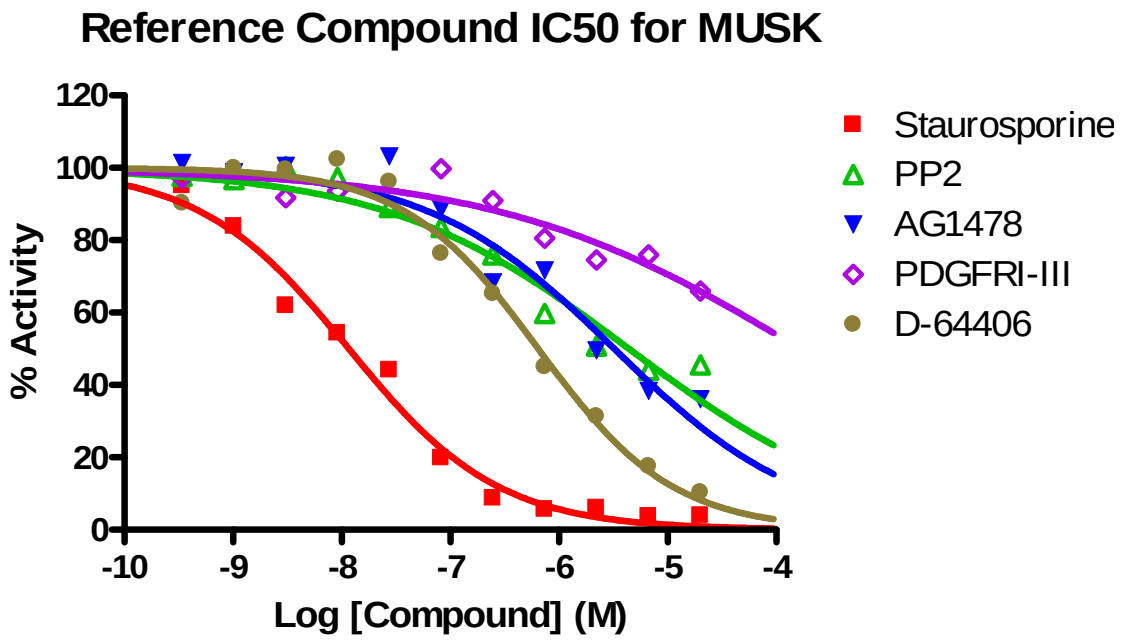
- **CAT#:** MUSK
- **Enzyme:** Human MUSK
- **Substrate:** MBP (Myelin Basic Protein), 5 µM
  ATP 1 µM
- **Reaction:**

$$\text{Substrate} + [\gamma\text{-}^{33}\text{P}]\text{-ATP} \xrightarrow{\text{Enzyme}} {}^{33}\text{P-Substrate} + \text{ADP}$$

- **Reference Compound IC50s:**

Compounds	**IC50 (nM)**
Staurosporine	12
PP2	4,400
AG1478	3,200
PDGFR I-III	166,000
D-64406	645

- **Scientific Information:** O15146 (http://www.expasy.org/uniprot/O15146)



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