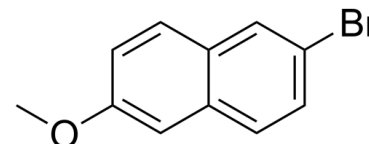


Data Sheet

Product Name:	2-Bromo-6-methoxynaphthalene
Cat. No.:	CS-W008969
CAS No.:	5111-65-9
Molecular Formula:	C ₁₁ H ₉ BrO
Molecular Weight:	237.09
Target:	Trk Receptor
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

2-Bromo-6-methoxynaphthalene is an active intermediate in the production of anti-inflammatory agents like Naproxen and Nabumetone by Heck reaction. 2-Bromo-6-methoxynaphthalene has potential anti-inflammatory properties and **Tyrosine-protein** inhibitor properties. 2-Bromo-6-methoxynaphthalene can be used for the research of cancer^[1]. *In Vitro*: 2-Bromo-6-methoxynaphthalene (2BMN) has anti-inflammatory properties in the molecular docking outcomes^[1]. 2-Bromo-6-methoxynaphthalene has low interaction energy and inhibition constant for 6QDZ and 2Z7S^[1].

References:

[1]. Rinnu Sara Saji, et al. Experimental and theoretical spectroscopic (FT-IR, FT-Raman, UV-VIS) analysis, natural bonding orbitals and molecular docking studies on 2-bromo-6-methoxynaphthalene: A potential anti-cancer drug. Heliyon

CAIndexNames:

Naphthalene, 2-bromo-6-methoxy-

SMILES:

COC1=CC=CC=C2C=CC(=C1)C=C2Br

Caution: Product has not been fully validated for medical applications. For research use only.

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