

Product Information

HMN-176, Purity \geq 98%

Cat. No.: X24-09-YM1402

Size: 5 mg; 10 mg; 20 mg; 50 mg

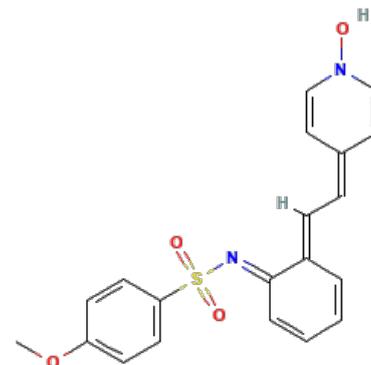
CAS Number: 173529-10-7

Compound CID: 12134997

Synonym: 173529-10-7; HMN 176; HMN176;

(*NE*)-*N*-[(6*E*

)-6-[2-(1-Hydroxypyridin-4-ylidene)ethylidene]cyclohexa-2,4-dien-1-ylidene]-4-methoxybenzenesulfonamide



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	HMN-176, soluble in DMSO and insoluble in water and ethanol, is a stilbene derivative. The molecular weight of the compound is 382.43, and its molecular formula is C ₂₀ H ₁₈ N ₂ O ₄ S.
Molecular Weight	382.43
Molecular Formula	C ₂₀ H ₁₈ N ₂ O ₄ S
IUPAC Name	(<i>NE</i>)- <i>N</i> -[(6 <i>E</i>)-6-[2-(1-Hydroxypyridin-4-ylidene)ethylidene]cyclohexa-2,4-dien-1-ylidene]-4-methoxybenzenesulfonamide
InChI	InChI=1S/C20H18N2O4S/c1-26-18-8-10-19(11-9-18)27(24,25)21-20-5-3-2-4-17(20)7-6-16-12-14-22(23)15-13-16/h2-15,23H,1H3/b17-7+,21-20+
InChI Key	MYEJOKLXXLVMPR-STNHEDLKSA-N
Canonical SMILES	COC1=CC=C(C=C1)S(=O)(=O)N=C2C=CC=CC2=CC=C3C=CN(C=C3)O
Isomeric SMILES	CC(=O)N[C@@H](CCC(=O)N)C(=O)O
Form	Lyophilized powder
Purity	\geq 98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 67 mg/mL (175.19 mM); Water: insoluble; Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

HMN-176 plays a key role in promoting apoptosis and reducing tumor growth.

Storage

Store at -20°C, and keep desiccated.
