

Product Name	: MMP2-IN-2
Synonyms	: —
Cat No.	: M35438
CAS Number	: 1772-39-0
Molecular Formula	: C ₁₃ H ₈ N ₄ O ₄
Formula Weight	: 284.23
Chemical Name	: —
Description	MMP2-IN-2 (compound 42) is a potent and selective MMP-2 (matrix metalloproteinases) inhibitor, with an IC ₅₀ of 4.2 μM. MMP2-IN-2 also shows inhibitory activity against MMP-13, MMP-9 and MMP-8, with IC ₅₀ values of 12, 23.3, and 25 μM, respectively.
Pathway	: Metabolic Enzyme/Protease
Target	: MMP
Receptor	: MMP
Solubility	: In Vitro: ?DMSO : 7.14 mg/mL (25.12 mM; Ultrasonic (<60°C)
SMILES	: O=[N+](O)C1=CC=C(C2=NC3=CC=C([N+](O)=O)C=C3N2)C=C1
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Laghezza A, et al. Virtual screening identification and chemical optimization of substituted 2-arylbenzimidazoles as new non-zinc-binding MMP-2 inhibitors. Bioorg Med Chem. 2020 Feb 1;28(3):115257. ?