

Product Name: Mandi

Catalog No.: 7681

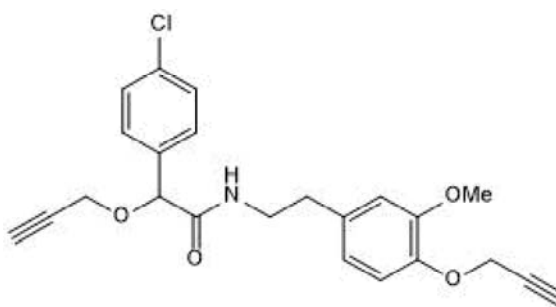
Batch No.: 1

CAS Number: 374726-62-2

IUPAC Name: 4-Chloro-*N*-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-propyn-1-yloxy)benzeneacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₂ClNO₄
Batch Molecular Weight: 411.88
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.07	5.38	3.4
Found	67.17	5.37	3.4

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Mandi is a chemical inducer of proximity (CIP) *in vivo* and *in vitro* (EC₅₀ = 0.43 μM in a luciferase gene expression assay). Mandi induces complex formation between PYR1^{Mandi}, a mutant of Abscisic Acid (Cat. No. 6554) receptor PYR1, and Abscisic Acid insensitive (ABI). Mandi may be used to induce protein colocalization and interaction. It is non-toxic, orthogonal to mammalian processes and other CIPs, and highly cell permeable.

Physical and Chemical Properties:

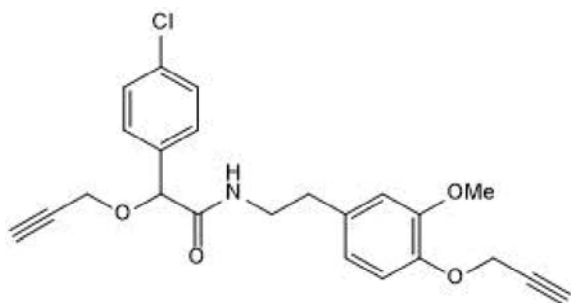
Batch Molecular Formula: C₂₃H₂₂ClNO₄.

Batch Molecular Weight: 411.88

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Ziegler *et al* (2022) Mandipropamid as a chemical inducer of proximity for *in vivo* applications. *Nat.Chem.Biol.* **18** 64. PMID: 34934192.

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