

Coelenteramine 400a

Catalog
TBP0127-5MG

Unit
5 mg

Description

Coelenteramine 400a is a synthetic derivative of coelenterazine that functions as a substrate for Renilla luciferase (RLuc). Upon enzymatic oxidation by RLuc, it emits blue light with a peak wavelength of approximately 395 nm. In bioluminescence resonance energy transfer 2 (BRET²) applications, Coelenterazine 400a is commonly paired with class 1 and 3 GFP acceptors, such as GFP2 and GFP10, to study protein-protein interactions, including those involved in G protein-coupled receptor signaling.

Product Details

Formal Name: 6-phenyl-2,8-bis(phenylmethyl)-imidazo[1,2-a]pyrazin-3(7H)-one

Alternative names: Coelenterazine 400a; Bideoxycoelenterazine

Molecular Formula: C₂₆H₂₁N₃O

Formula Weight: 391.5

CAS Number: 70217-82-2

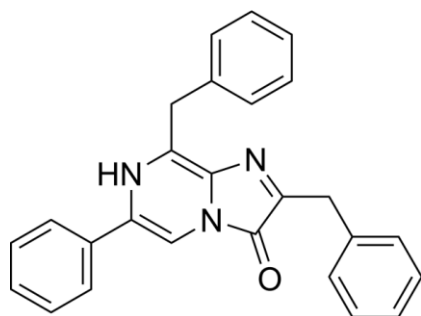
Purity: ≥95%

Formulation: powder

Storage: -20°C

Stability: >4 years

Solubility: Ethanol: 0.5 mg/ml, Methanol: 0.5 mg/ml



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