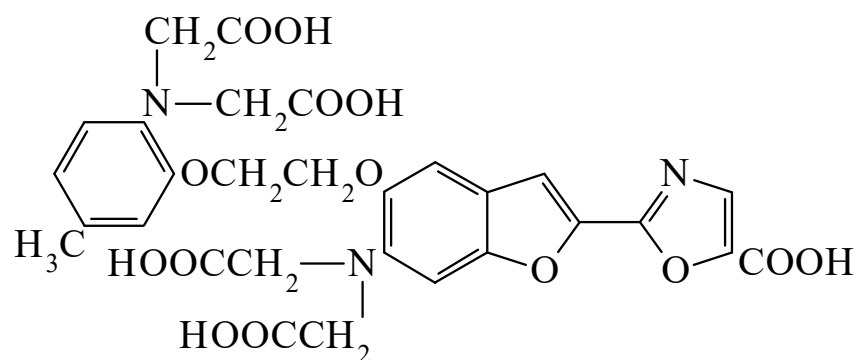




>>Entry Name: Fura 2



CAS Registry Number: 96314-98-6

Related CAS Registry Numbers(s): 96315-04-7 100108-74-5 100215-37-0 120551-16-8

Molecular Formula: C₂₉H₂₇N₃O₁₄

Molecular Weight: 641.544

Accurate Mass: 641.149307

Percentage Composition: C 54.29%; H 4.24%; N 6.55%; O 34.91%

Fluka: 47987

>>Derivative: Tetra-K salt

Use/Importance: Fluorescent probe for intracellular Mg

>>Derivative: Penta-K salt

CAS Registry Number: 113694-64-7

Use/Importance: Fluorescent probe for intracellular Ca

Sigma: F0763

>>Derivative: Penta-Et ester

CAS Registry Number: 96331-97-4

Molecular Formula: C₃₉H₄₇N₃O₁₄

Molecular Weight: 781.812

Accurate Mass: 781.305807

Percentage Composition: C 59.92%; H 6.06%; N 5.37%; O 28.65%

Melting Point: Mp 138°

>>Derivative: Pentakis(acetoxymethyl)ester

Synonym(s): Fura 2-AM

CAS Registry Number: 108964-32-5

Molecular Formula: C₄₄H₄₇N₃O₂₄

Molecular Weight: 1001.861

Accurate Mass: 1001.254957

Percentage Composition: C 52.75%; H 4.73%; N 4.19%; O 38.33%

Use/Importance: Fluorescent probe for intracellular Ca

Physical Description: Yellow powder

Fluka: 47989

Sigma: F5141

References:

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