

# CERTIFICATE OF ANALYSIS

(Certificate No. KMG009001-01)

Release Date: 28/06/2024

Re-test Date: 27/06/2027

## Dibenzoyl Lactam

### Identification

**Chemical Name :**

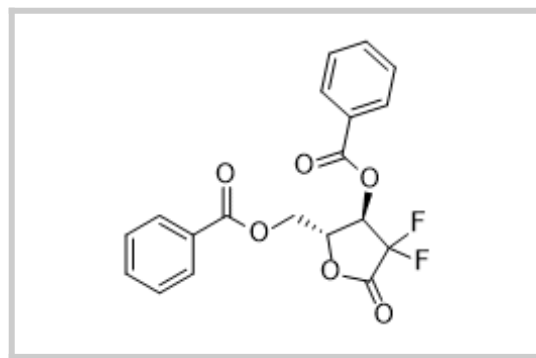
((2R,3R)-3-(benzoyloxy)-4,4-difluoro-5-oxotetrahydrofuran-2-yl)methyl benzoate

**CAT No.** : KMG009001

**CAS No.** : 122111-01-7

**Molecular Formula** : C<sub>19</sub>H<sub>14</sub>F<sub>2</sub>O<sub>6</sub>

**Molecular Weight** : 376.31



### Analytical Information

**Batch No.** : GEM-IMP-11-073-272

**Description** : Off White Solid

**HPLC Purity** : 99.99 %

**Weight Loss By TGA** : 0.22 %

**% Potency** : 99.77 %

**Solubility** : ACN : Water (1:1)

**Mass** : Confirm as water adduct

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at -20 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at 2-8 deg. C

**% Potency** = [100 - 0.22(Weight Loss By TGA)] x [99.99(HPLC Purity)]/100 = 99.77 %

-In HPLC inject freshly prepared solution

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		28/06/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		28/06/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA