

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD021001-01)

Release Date: 12/08/2024

Re-test Date: 11/08/2027

## Dantrolene Related Compound B

### Identification

**Chemical Name :**

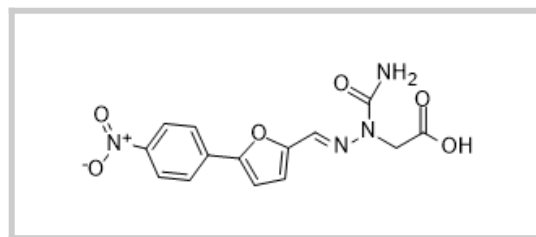
5-(4-nitrophenyl)-2-furaldehyde-(2-carboxymethyl) semicarbazone

CAT No. : KMD021001

CAS No. : 57268-33-4

Molecular Formula : C<sub>14</sub>H<sub>12</sub>N<sub>4</sub>O<sub>6</sub>

Molecular Weight : 332.27



### Analytical Information

Batch No. : DAN-RCB-073-301

Description : Yellow Solid

HPLC Purity : 99.49 %

Weight Loss By TGA : 1.07 %

% Potency : 98.43 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

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

<sup>13</sup>C NMR : Confirm

### Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 1.07(Weight Loss By TGA)] x [99.49(HPLC Purity)]/100 = 98.43 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		14/08/2024

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA