CERTIFICATE OF ANALYSIS

(Certificate No. KMD021001-01)

Release Date: 12/08/2024 **Re-test Date:** 11/08/2027

Dantrolene Related Compound B

Identification

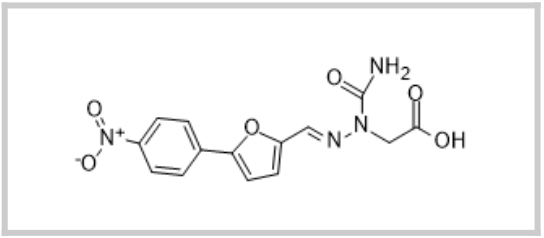
Chemical Name :
5-(4-nitrophenyl)-2-furaldehyde-(2-carboxymethyl) semicarbazone

CAT No. : KMD021001

CAS No. : 57268-33-4

Molecular Formula : C14H12N4O6

Molecular Weight : 332.27



Analytical Information

Batch No.	: DAN-RCB-073-301	**Solubility**	: ACN : Water (1:1)
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.49 %	**IR**	: Confirm
Weight Loss By TGA	: 1.07 %	**1H NMR**	: Confirm
% Potency	: 98.43 %	**13C 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, 1HNMR, 13CNMR, IR and TGA