Product Name: L-651,582  
Catalog No.: 3086  
Batch No.: 2  
CAS Number: 99519-84-3  
IUPAC Name: 5-Amino-1-[[3,5-dichloro-4-(4-chlorobenzoyl)phenyl]methyl]-1H-1,2,3-triazole-4-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{17}H_{12}Cl_3N_5O_2$
- **Batch Molecular Weight:** 424.67
- **Physical Appearance:** Off-white solid
- **Solubility:** DMSO to 100 mM
- **Storage:** Store at +4°C

2. ANALYTICAL DATA

- **TLC:** $R_f = 0.19$ (Chloroform:Methanol [9:1])
- **HPLC:** Shows >99.1% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Carbon Hydrogen Nitrogen
  - Theoretical: 48.08 2.85 16.48
  - Found: 48.13 2.94 16.33
Product Information

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IUPAC Name: 5-Amino-1-[[3,5-dichloro-4-(4-chlorobenzoyl)phenyl[methyl]-1H-1,2,3-triazole-4-carboxamide

Description:
Orally active Ca^{2+} channel blocker; inhibits K^- and carbachol-stimulated Ca^{2+} influx (IC_{50} values are 500 and 935 nM respectively). Exhibits antiproliferative, antiangiogenic and antimetastatic activity in vivo and displays selectivity towards numerous mismatch repair-deficient tumor cell lines in vitro.

Physical and Chemical Properties:
Batch Molecular Formula: C_{17}H_{12}Cl_{2}N_{2}O_{2}
Batch Molecular Weight: 424.67
Physical Appearance: Off-white solid
Minimum Purity: >98%

Storage: Store at +4°C
Solubility & Usage Info:
DMSO to 100 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath). Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: