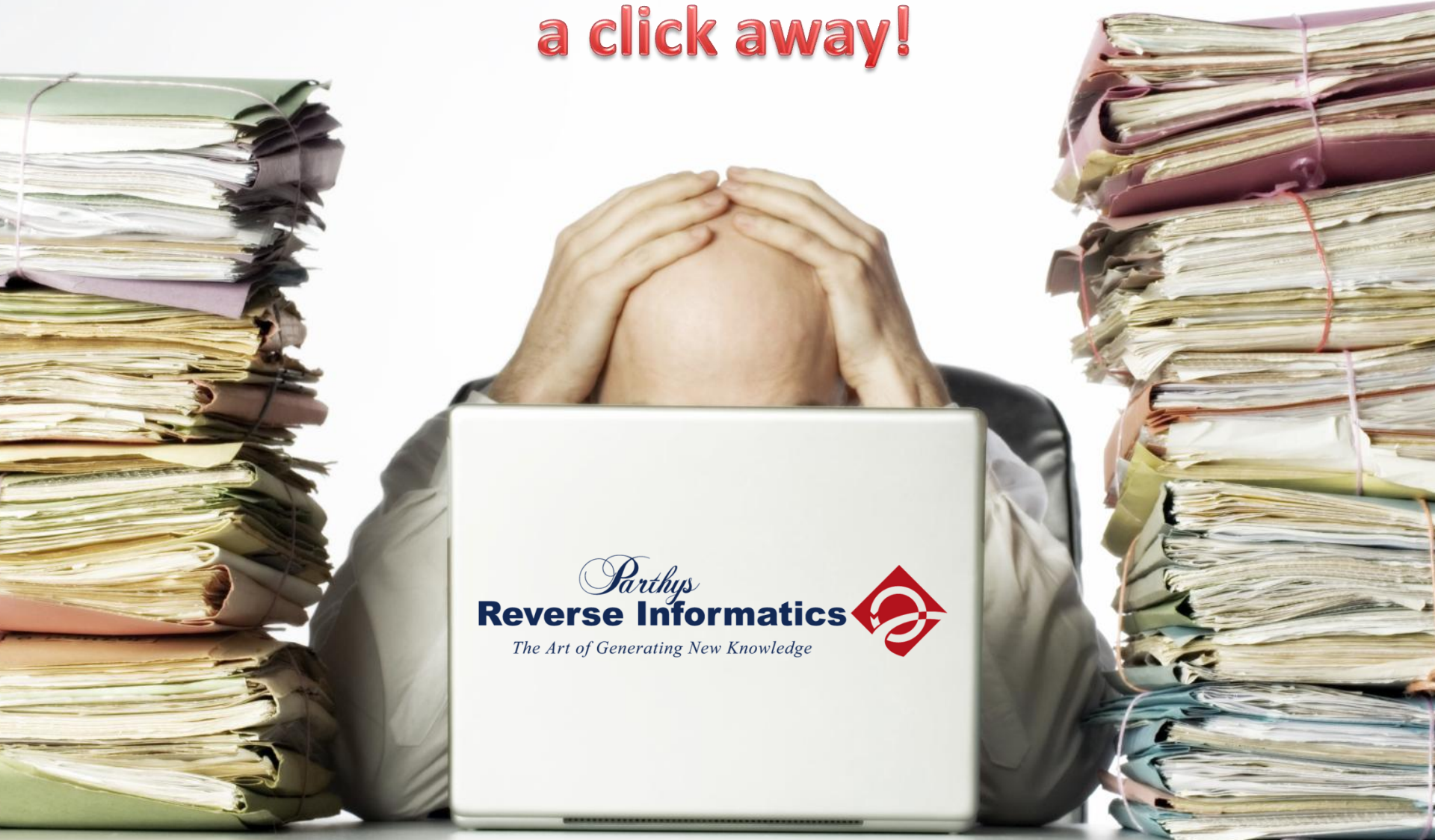



**Don't break your head, When we are just
a click away!**





THE GOOD

THE BAD

THE UGLY

Reverse Informatics

Volume of literature

Lack of Standards

Developing a “Central Dogma”

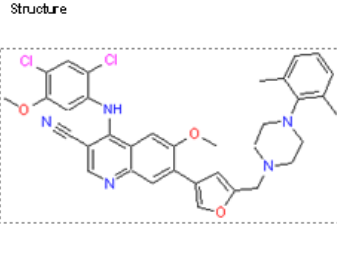


Curated Databases

RIX Database

Inhibitor | **Target** | **Scaffold** | **Assignee**

Compound Information

Structure 

Compound ID: XX 9999 | Platform Name: KINASE

Target: src kinase | Compound Type: Inhibitor

Compound Name: 4-[[2,4-dichloro-5-methoxyphenyl)amino]-7-[[4-(2,6-dimethylphenyl)piperazin-1-yl)methyl]-3-furyl]-6-methoxyquinoline-3-carbonitrile

Use: Anticancer | Disease: Chronic myeloid leukemia

Bibliographic Information

Journal/Patent: Patent Application | Reference ID: ZZ 000 | Reference: US20060035930

Publication Date: 16-Feb-2006 | First Author: Diane Harris [Boschelli](#) | Assignee: Wyeth, Patent Law Group

Title: 4-(2,4-dichloro-5-methoxyphenyl)amino-6-methoxy-7-[[5-substituted -amino)methyl]-3-furyl]-3-quinolinecarbonitriles as kinase inhibitors

Activity Information

Target Class: non-receptor Tyrkinase | Target Name: Src | Family: Src | Subfamily: DMPK

| Bioassay ID | Bioassay | Assay Type | Test System | Species | Activity parameter | Unit | Prefix | Activity Value | Remarks |
|-------------|---|------------|------------------------------|---------|--------------------|------|--------|----------------|---------|
| B 001 | Src Kinase Assay | C | Recombinant human Src enzyme | Human | IC 50 | nM | | | |
| B 005 | Anchorage Independent Src-Transformed Fibroblast Proliferation Assay HT29 | C | Transformed Rat2 fibroblasts | Rat | IC 50 | nM | | | |

Inhibitor | **Target** | **Scaffold** | **Assignee**

Summary | **Phylogenetic Tree** | **Protein Interaction** | **Pathway** | **Orthologue Data**

Kinase Information

Kinase ID: K 001 | Kinase Name: Src(H3)

Description: Proto-oncogene tyrosine-protein kinase Src

Synonyms:

Organism: Homo sapiens | Uniprot Code: [P12931](#) | GENA ID: GH3018950

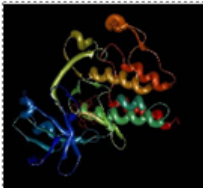
Classification

Group: TK | Family: Src | Sub Family: DMPK

Family Description

The Src family, which is found in FYN (oncogene related to SHC, FUK, and YES), SHC (v-src avian sarcoma viral oncogene homologue), YES (v-yes-1 Yamaguchi sarcoma viral oncogene homologue), FGR (Gardner-Rasheed feline sarcoma viral oncogene homologue), LCK (lymphocyte-specific protein tyrosine kinase; required for antigen-activation of T-cells), HCK (hemopoietic cell kinase), and BLK (B lymphoid tyrosine kinase), has been implicated in many signal transduction pathways such as neuronal development and B-cell development. However, in C. elegans and Drosophila the Src family has only one sequence. Further, so far some reported pathways, including those for the Src family, have been different between Drosophila and mammals (Luttrell et al. 1997; Lu and Li 1999). The domain structure is conserved from worms to mammals, and the functional conservation, such as the structural plasticity of neurons, is expected.

Structure & Sequence Information

Structure 

Sequence: QSNKSKPKIDASQRRRLSLEPAENVHGAGGGAFFASQTPSKPA SAUGHKGPAAHAPAAHAKLUGFNSSUIVISPKRAGHLA GVTTFVALYDYESTETDLSFKKGERLQVNNTEGMMWLAHSL STGQTGYIPSNYVAPSQIQAEWYFGKTRRESERLLLNAENP RGTFLVRES EITTKGAYCLSVSDFDNAGLNVMHYKIRKLDSSGG FYITSRITQFNSLQQLVAYYSKHADG LCHRLTVCPTSKPQTG LKIDAWBPRESLRLEVKLGGCGFGEVMMGTWINGTTRVAKT LKPGIMSPKALUEALMMKLUHREKLVULYAVASPEPIYIVIEY MSKGSLLDFLKGETGKYLRLPQLVDMADQASGMAYVERMNY VHRDLRAANILVGENLVCVAFGLARLIEDNEYTARDGAKFPI KWTAPEARLYGRFTIKSDMWSFGILLTELTTKGRVFPYGMVNR EVIDQVERGYRMPCFPECPESLHDMCQCMRKEPEBPTFE YLQAFLEDYFTSTEPGYQPGENL

Compounds

| S. No | Name | Type | Disease | References |
|-------|------|------|---------|------------|
|-------|------|------|---------|------------|

Searching is Our Business!

Patent Analytics

The collage features several overlapping screenshots of patent-related websites:

- STN**: "Your Connection to Science and Technology" with a circuit board graphic.
- DialogPRO**: A search interface for experienced users.
- DELPHION**: "Access the patent information you need — and the tools to help you use it." with navigation for Research, Products, and Inside Delphion.
- UNITED STATES PATENT AND TRADEMARK OFFICE**: "An Agency Of The United States Department Of Commerce" with a search bar and navigation links.
- European Patent Office**: "esp@cenet" logo and navigation for Home | Contact.
- THOMSON INNOVATION**: "THOMSON REUTERS" logo and navigation for Features, In Action, Customers, Webinars, Support, Training, and Customer Login.

Navigation and search options visible in the screenshots include:

- Log In / User Name / Password
- Quick Search: Search with keywords, or for persons or organisations
- Advanced Search: Search using any of the available fields
- Number Search: Search using application, accession, publication or priority number
- Classification Search: Browse or search the Classification System of the European Patent Office

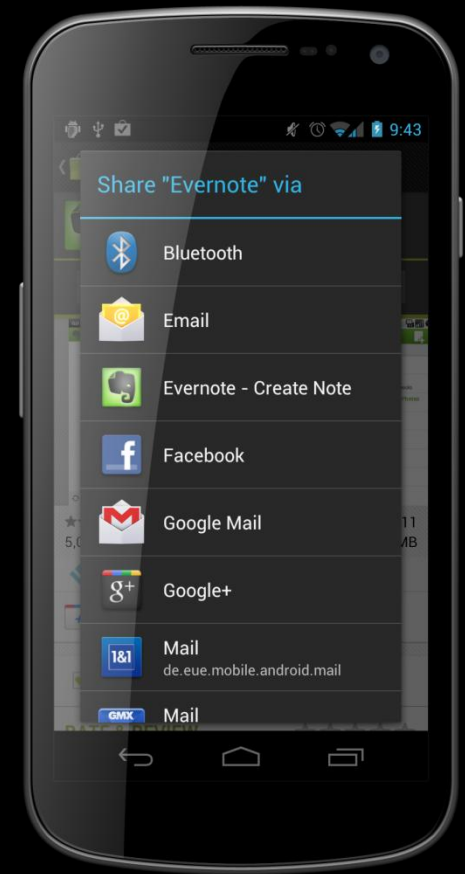
Additional content in the screenshots includes:

- European Patent Office: "THE LEADING IP INTELLIGENCE AND COLLABORATION PLATFORM" with a graphic of colorful flags.
- THOMSON INNOVATION: "POWERFUL ANALYTICS" section: "Identify key competitors, technologies and trends with robust analysis and visualization, charting, and mapping tools."
- THOMSON INNOVATION: "THE STATE OF GLOBAL INNOVATION" section: "Examine innovation in 12 key technology areas in 2011."
- THOMSON INNOVATION: "COCHLEAR BRINGS MUSIC TO ITS CUSTOMERS' EARS. HEAR HOW." with a photo of a man.
- THOMSON INNOVATION: "2012 IP SOLUTIONS CUSTOMER CONFERENCE" with a "DON'T MISS OUT REGISTER NOW!" button.

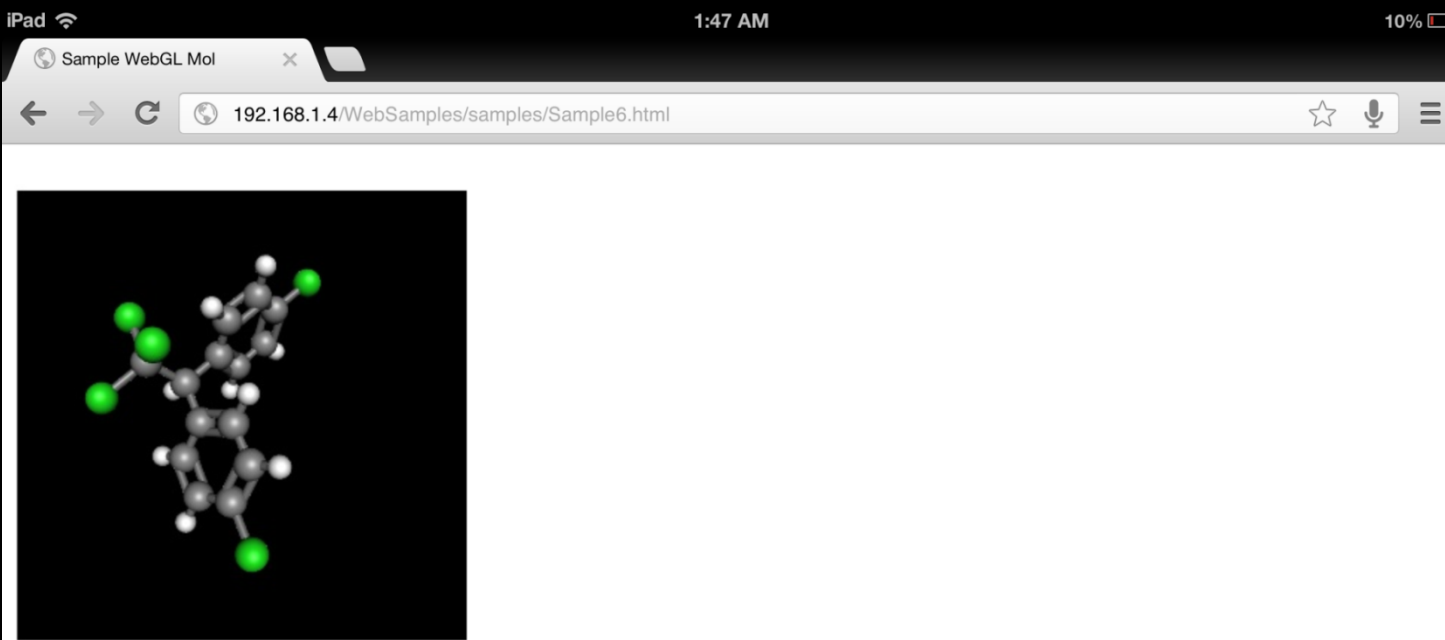
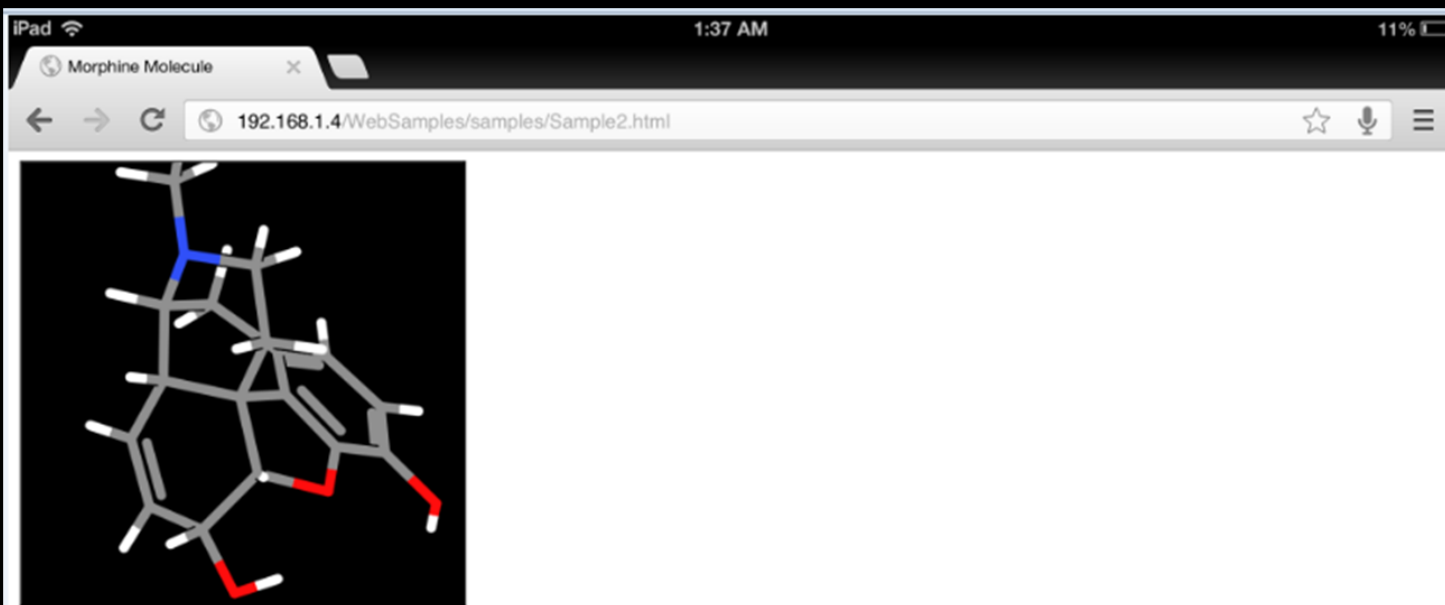
Internet for Phone Calls

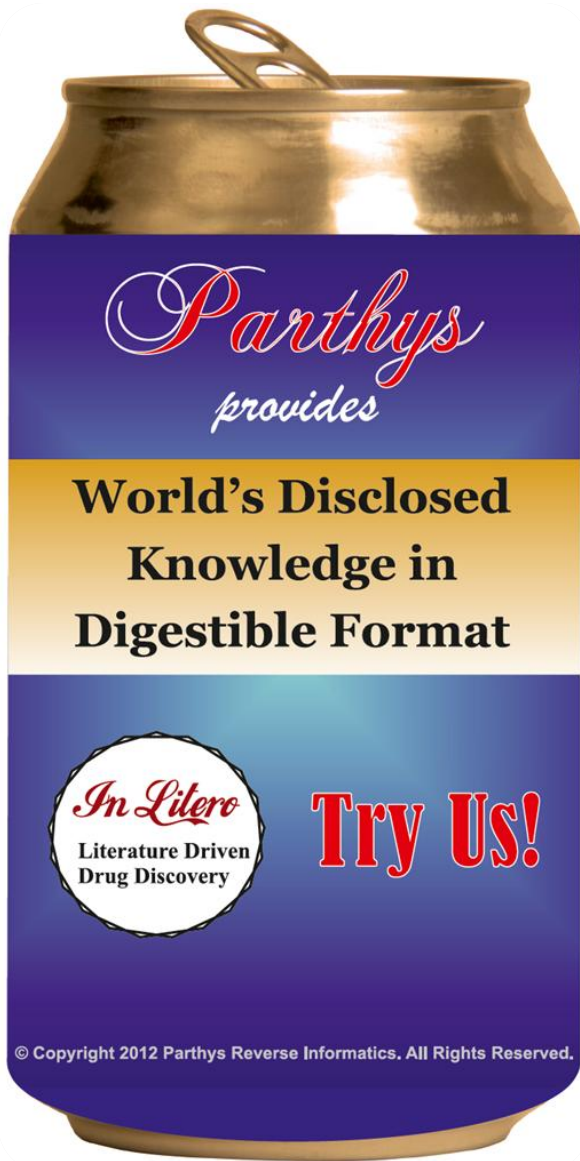


Phone for Internet



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